



City of Chanute Trade a Tree Program

Property owners inside the City of Chanute that have a problematic tree growing into the primary power lines can have them replaced with small deciduous trees for free. The first step in trading your large tree with a small tree is to notify us and we will inspect your tree or trees growing near the primary power line. If your property qualifies for the program, the City of Chanute will remove the problematic tree, then provide you with a voucher for up to \$150 to any professional landscape/garden dealer. The tree must be planted in approved location.

Preferred Tree:



Amur Maple

Problematic trees to avoid:

- | | |
|----------------------------|--------------|
| Silver Maple | Box Elder |
| Weeping Willow | Osage Orange |
| Silver Poplar | Sycamore |
| Lombardy Poplar | |
| Siberian Chinese Maple) | |
| Tree of Heaven (Ailanthus) | |
| Cottonwood & Hybrid Poplar | |

These trees are under warranty for one year, but it is the property's owner responsibility to care for the tree. After you have chosen your tree, the City of Chanute will arrange for your tree to be delivered and planted for you in the appropriate designated place.

Description and location of tree or trees to be removed:

Location of new tree to be planted: _____

Owner Signature: _____

Chanute Employee: _____

(Draw sketch of location and distances of new tree(s) on back.)



City of Chanute Tree Board And Electric Department Tree Management and Trimming Program

Trees & Power Lines

We all depend on the benefits made possible by safe, clean, reliable electricity. We are also a society that values nature, especially trees. Trees purify the air we breathe. They provide shade for our homes and habitat for wildlife.

Trees that grow too close to electric lines cause power outages and threaten the public safety. Over 10% of the City of Chanute's electric outages are caused by trees falling on or coming in contact with power lines. In these modern times, interruptions in electric service cause major inconveniences.

Reliable service, public safety, and customer satisfaction are very important to the City as your supplier of electricity. We will not trim or remove any tree unless it poses a threat to either public safety or electric service reliability. This brochure explains the program the City of Chanute has developed to manage trees in the vicinity of our power lines.

Lateral Trimming:

Following is an explanation of our tree trimming guidelines. These guidelines reflect the accepted standards among horticulturists and other experts in the field such as the National Arbor Day Foundation, the International Society of Arboriculture, the National Arborist Association, and other professional and trade organizations.

Wind easily whips the branches of an untrimmed tree into electrical conductors, perhaps causing power outages. If this tree falls, several spans of wire may be affected.



The "rounding over" method of trimming stimulates uncoordinated growth and can threaten the life of the tree. Sucker sprouts quickly outgrow the line clearance initially achieved through rounding over, thus making the original trimming useless. Horticultural

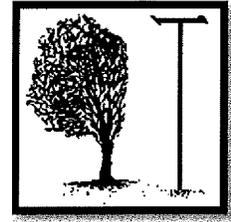
studies conducted over the past 20 years show that rounding over

is

detrimental to the health of trees because the randomly placed cuts produce stubs that are susceptible to fungi, insects, disease, and decay. The

weakened tree has increased chance of limb breakage during wind, ice, and snow storms.

Lateral, or natural trimming, is the accepted method used by the City crews. The name "lateral" is derived from the method of cutting branches back to natural strong point on the tree, such as the juncture of the trunk and major limbs, major limbs and branches, and the like. Re-growth can occur with lateral trimming, but is not accompanied by profuse sprouting. Also, the lateral branches tend to direct the growth away from the power lines.



This is how a tree appears if it is trimmed by lateral pruning on only those branches that threaten the power lines. Branches growing above the conductors are directed up and back; those growing below the power lines are directed down and back. The next season's growth is then concentrated in the direction the lateral cuts were placed.

The tree will take this shape with future correct trimming cycles.

Proper Pruning:

The City of Chanutte tree trimming guidelines have been carefully designed to reflect the recommendations of urban foresters and experts from the National Arborist Association.

Note: These minimum clearance guidelines may be altered by the City to best suit the particular tree species involved.

Removal of a Tree

Repetitive trimming of fast growing tree located directly under or near the lines is a costly and temporary fix. Many trees that are trimmed heavily to clear the primary wire, develop extensive internal decay and become a hazard. In these cases, the best solution may be removal of the tree. Please contact our Chanutte Electric Department, at (620) 431-5250 if you have any questions about tree removal.

The Long-Term Solution

Look up before you plant. Before you invest in a tree that will grow tall, look around the area where you intend to plant. Carefully match the tree species with

the location. Trees with mature heights over 25 feet should be planted at least 25 feet from any overhead utility lines.

The reliability of your neighborhood's electric service may depend on your choice of trees and where you plant them. Your cooperation with the City's Tree Management and Trimming Program is essential. If you have any questions, regarding the program, please contact the Chanute Electric Department at (620) 431-5250.

City of Chanute Tree Trimming Program

Trees growing into your electric lines? Sign up for **Trade-A-Tree**.

Is there a tree on your property with branches near a primary electric line that you want trimmed or removed? Please call 620-431-5250.

Why does Chanute Electric Department trim trees?

Properties with trees growing into power lines are likely to experience "blinks" in electric service or power outages. The City of Chanute spends over \$150,000 annually to trim trees along overhead power lines. Trimming trees on a 3 year cycle helps the reliability of the electric system and it keeps the amount needing to be trimmed to a minimum.

How will I be notified when trees on my property needs to be trimmed?

The City will notify property owners one to two days before trees are to be trimmed with a hang tag on their door. The hang tag gives you notice that your tree(s) are going to be trimmed, and gives you a choice of having the tree removed, or having a City of Chanute staff person contact you.

Want to replace your problematic tree?

Sign up for the Trade-A-Tree program. The City of Chanute will remove the hazardous tree from near the power line or the intersection site triangle and arrange for the planting of a more appropriate species, at no charge to you.

How does the City of Chanute decide how much to trim?

Trees near power lines in Chanute are trimmed on a 3-year cycle. City policy is to trim trees for a three-year growth cycle so the branches will not interfere with the lines before the next trimming cycle. The amount trimmed to meet proper clearance is 15 feet. Proper trimming prescribed by the National Arbor Day foundation are followed to maintain the health of the tree.



How can I avoid having my trees trimmed?

The right tree needs to be planted in the right spot. Keep in mind the dimensions of the tree when it is mature to determine the best placement.

Tree roots can also cause problems with your underground utility services, foundations, sidewalks and driveways. Most trees have root spans similar to the mature width of the tree. Plan distance away from structures accordingly.

Problematic trees to avoid

The following trees are susceptible to broken limbs, disease and other problems in our area.

Silver Maple

Lombardy Poplar

Silver Poplar

Weeping Willow

Cottonwood & Hybrid Poplar

Box Elder

Sycamore

Osage Orange

Siberian (Chinese Maple)

Tree of Heaven (Ailanthus)

City of Chanute Tree Management FAQ's

Q. Why does the City Of Chanute trim trees?

A. The City prunes trees away from electric lines in order to provide reliable electric service to our customers.

Q. What determines how much to trim?

A. Line voltage determines the amount of tree/electric line clearance is required.

High voltage transmission lines running from substation to substation require a minimum of fifteen clearance, with no overhanging branches.

Primary voltage lines running through neighborhoods require a minimum of fifteen feet clearance, with no overhanging branches.

Q. Does the City trim around service lines to homes?

A. The Chanute Electric Department will do minor trimming around the service line to your home. For your safety, consider hiring a professional for major trimming.

If you choose to do the trimming yourself, the City will gladly disconnect the service wire and reconnect it when the trimming has been completed. There is no charge for this service. **Allow two days notification for scheduling.**

At your request, the City will trim for minor clearance around the service line when we are on your property doing our regular maintenance work.

Q. What is the Power Line Safety Act?

A. The Power Line Safety Act requires workers and equipment to stay at least ten feet away from overhead power lines. If you will be trimming, or hiring someone to trim within ten feet of the City's overhead power lines, please contact us for assistance at (620) 431-5250

Q. Does the City clean up broken branches left after storm-related outages?

A. During emergencies, the City leaves the tree clean up to you in order to allow our staff more time to restore your neighbor's power.

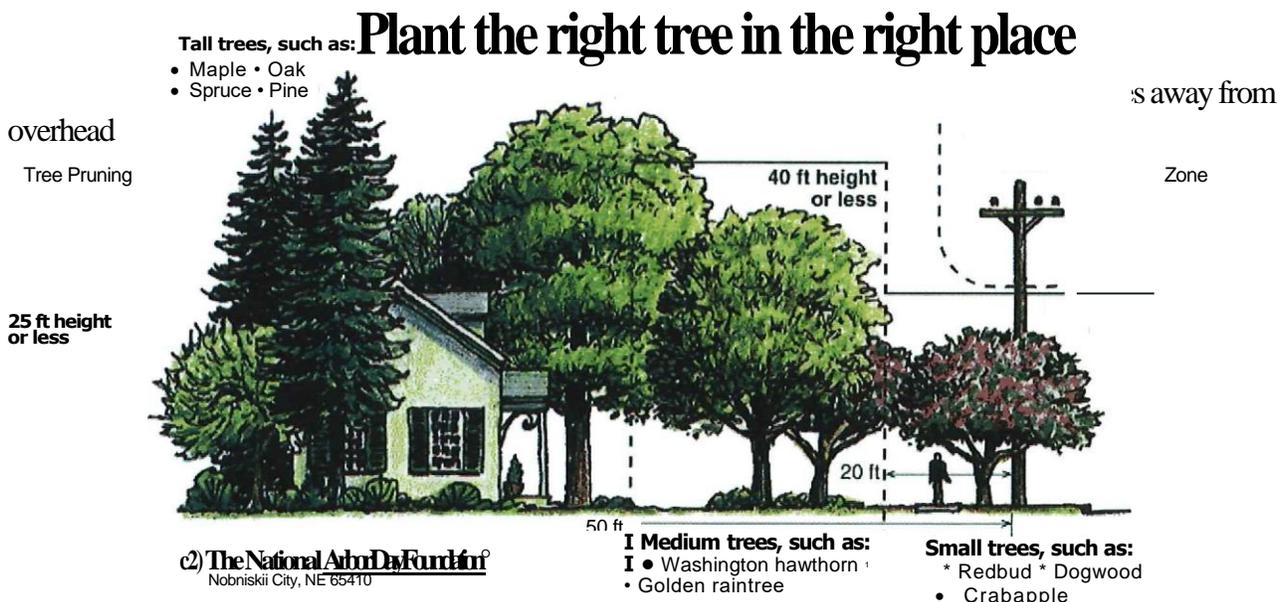
Q. What happens to the chips and wood left over after pruning?

A. The City will remove the chips and wood for disposal.

Q. Why does the City of Chanute prune trees the way they do?

A. Although utility pruning has different objectives than other types of pruning, the City employees adhere to professional industry standards recognized by the National Arborist Association guidelines. This type of pruning requires that cuts occur at locations causing the least damage to a tree, enable the tree to properly recover and heal from the pruning.

The natural structure of the tree, the growth pattern, and the tree's mature size and shape are all considered before pruning begins. The intent is to remove branches back to lateral branches or parent stems that will grow away from utility facilities.



Topping or rounding over the tree's canopy is discouraged because this practice severely damages trees and encourages rapid re-growth back into facilities. When these cuts are repeated over time trees are weakened, their food stores are depleted, and their ability to resist insects, diseases, and failure is decreased.

Q. Who does pruning for the City of Chanute?

A. The City of Chanute has trained professional staff that does the pruning and tree removal.

Q. Who do you recommend for private tree service?

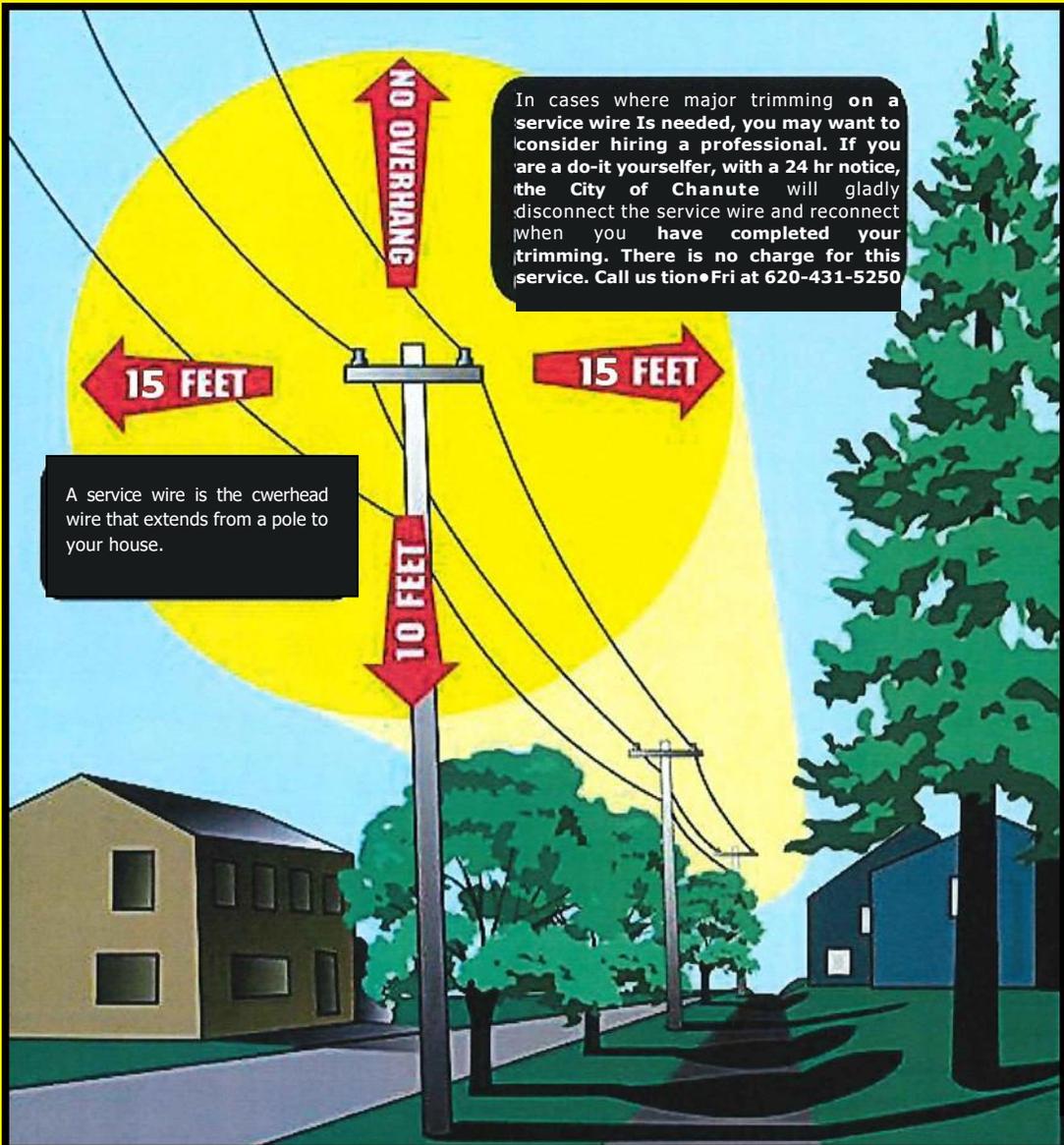
A. Although the City does not recommend one tree service company over another, there are criteria recommendations to consider: 1) Make certain the tree service follows National Arborist Association guidelines; 2) Verify the tree service company is licensed and insured; 3) Ask for a free estimate from more than one

tree service; 4) Think twice before using a tree service that will "top" trees. The Community Development Department has list of private tree service agencies in the area.

Q What can I plant near electric lines and underground transformers?

A Consider the mature height and spread of trees before planting near electrical lines and facilities. Trees that will be 25 feet or taller at maturity should be planted at least 25 feet from overhead facilities.

When planting around underground equipment, plants must be at least 10 feet away from the front and 3 feet from the sides. Ask for the City's program with information on ornaments trees that can be planed near electric facilities.



A service wire is the overhead wire that extends from a pole to your house.

In cases where major trimming on a service wire is needed, you may want to consider hiring a professional. If you are a do-it-yourselfer, with a 24 hr notice, the City of Chanute will gladly disconnect the service wire and reconnect when you have completed your trimming. There is no charge for this service. Call us Monday-Friday at 620-431-5250

Trees are beautiful, peaceful, calming and an asset to any community. They can also be hazardous when contacting power lines.

When trees grow into overhead electrical lines, your electric service may be interrupted.

Planting trees in the right place makes our job easier to maintain a minimum 15-foot separation between tree growth and electric lines. This reduces the chance of electric service disruption and safety hazards.

Our staff is available to answer

your questions and help you make the right choice when planting your next tree. Call 620-431-5250.