

MTAC RECOMMENDED TREES AND SHRUBS

Canopy Trees - A tree that normally achieves an overall height at maturity of 30 feet or more – not for use under powerlines.

If tree matures > 50 ft high, plant no less than 45 feet from powerline; if tree matures 30-50 ft high, plant no less than 35 feet from powerline.

Common Name	Scientific Name	Recommended Cultivars/Varieties	Deciduous/Evergreen	Mature Height	Native Yes/No	Notes/Notable Features (Fruit, Bark, Fall Color)	Site Preferences
Deciduous Trees							
Florida Maple/Southern Sugar Maple	<i>Acer barbatum</i>		D		Y		
Black Maple	<i>Acer nigrum</i>		D		Y		
Red Maple 'Armstrong,' 'Bowhall'	<i>Acer rubrum</i>		D		Y		
Sugar Maple and varieties	<i>Acer saccharum</i>		D		Y		
Ohio Buckeye	<i>Aesculus glabra</i>		D		Y		
Yellow Buckeye	<i>Aesculus flava</i>		D		Y		
Common Alder/Black Alder	<i>Alnus glutinosa</i>		D		N		
River Birch	<i>Betula nigra</i>		D		Y		
Katsura Tree	<i>Cercidiphyllum japonicum</i>		D		N		
American Yellowwood	<i>Cladrastis kentukea</i>		D		Y		
Common Persimmon	<i>Diospora virginiana</i>		D		Y		
Hardy Rubber Tree	<i>Eucommia ulmoides</i>		D		N		
Ginkgo	<i>Ginkgo biloba</i> 'Princeton Sentry'		D		N	male only	
Honeylocust	<i>Gleditsia triacanthos var. inermis</i>		D		Y	thornless, fruitless only	
Kentucky Coffeetree	<i>Gymnocladus dioica</i>		D		Y	fruitless varieties only	
Sweetgum 'Slender Silhouette'	<i>Liquidambar styraciflua</i>		D		Y	fruitless varieties only	
Yellow Poplar/Tuliptree/Tulip Poplar	<i>Liriodendron tulipifera</i>		D		Y		
Dawn Redwood	<i>Metasequoia glyptostroboides</i>		D		N		
Black Gum/Black Tupelo	<i>Nyssa sylvatica</i>		D		Y		
Amur Corktree	<i>Phellodendron amurense</i>		D		N		
London Planetree	<i>Platanus x acerifolia</i>		D		N		
Sawtooth Oak	<i>Quercus acutissima</i>		D		N		
White Oak	<i>Quercus alba</i>		D		Y		
Swamp White Oak	<i>Quercus bicolor</i>		D		Y		
Scarlet Oak	<i>Quercus coccinea</i>		D		Y		not in alkaline soils
Southern Red Oak	<i>Quercus facata</i>		D		Y		
Cherrybark oak	<i>Quercus facata var pagodafolia</i>		D		Y		
Overcup Oak	<i>Quercus lyrata</i>		D		Y		
Shingle Oak	<i>Quercus imbricaria</i>		D		Y		not in alkaline soils
Bur Oak	<i>Quercus macrocarpa</i>		D		Y		
Chinkapin Oak	<i>Quercus muehlenbergii</i>		D		Y		
Nuttall Oak	<i>Quercus nuttallii (texana)</i>		D		Y		
Willow Oak	<i>Quercus phellos</i>		D		Y		not in alkaline soils
Chestnut Oak	<i>Quercus prinus</i>		D		Y		
English Oak	<i>Quercus robur</i>		D		N		
Northern Red Oak	<i>Quercus rubra</i>		D		Y		not in alkaline soils
Shumard Oak	<i>Quercus shumardii</i>		D		Y		not in alkaline soils
Baldcypress	<i>Taxodium distichum</i>		D		Y		
American Basswood	<i>Tilia americana</i>		D		Y		
White Basswood	<i>Tilia americana var heterophylla</i>		D		Y		
Littleleaf Linden	<i>Tilia cordata</i>		D		N		
Silver Linden	<i>Tilia tomentosa</i>		D		N		
Winged Elm	<i>Ulmus alata</i>		D		Y		
American Elm 'Valley Forge'	<i>Ulmus americana</i>		D		Y	disease resistant	
Chinese Elm	<i>Ulmus parvifolia</i> 'Bosque'		D		N	disease resistant only	
Slippery Elm	<i>Ulmus rubra</i>		D		Y		
September Elm	<i>Ulmus serotina</i>		D		Y		
Japanese Zelkova	<i>Zelkova serrata</i> 'Green Vase'		D		N		

Evergreen Trees

Cryptomeria	<i>Cryptomeria japonica</i>		E		N		
American Holly and cultivars	<i>Ilex opaca</i>		E		Y		
Eastern Redcedar	<i>Juniperus virginiana</i>		E		Y		
Southern Magnolia	<i>Magnolia grandiflora</i>		E		Y		
Norway Spruce	<i>Picea abies</i>		E		N		
Shortleaf Pine	<i>Pinus echinata</i>		E		Y		
Scots Pine	<i>Pinus sylvestris</i>		E		N		
Japanese Black Pine	<i>Pinus thunbergiana</i>		E		N		

Understory Trees – Trees that normally achieve an overall height at maturity of 15 to 30 feet, can be planted at a distance of no less than 15 ft from powerlines.

Trident Maple	<i>Acer buergeranum</i>		D		Y		
Hedge Maple	<i>Acer campestre</i>		D		Y		
Amur Maple	<i>Acer ginnala</i>		D		Y		
Paperbark Maple	<i>Acer griseum</i>		D		Y		
Japanese Maple	<i>Acer palmatum</i>		D		N		
Red Buckeye	<i>Aesculus pavia</i>		D		Y		
Serviceberry	<i>Amelanchier arborea</i>		D		Y		
American Hornbeam	<i>Carpinus caroliniana</i>		D		Y		
Eastern Redbud and cultivars	<i>Cercis canadensis</i>		D		Y		
Chinese Fringetree	<i>Chioanthus retusus</i>		D		N		

White Fringetree	<i>Chioanthus virginicus</i>	D	Y	
Flowering Dogwood 'white cultivar'	<i>Cornus florida</i>	D	Y	
Kousa Dogwood	<i>Cornus kousa</i>	D	N	
Washington Hawthorn	<i>Crataegus phaenopyrum</i>	D	Y	blight
Green Hawthorn	<i>Crataegus viridis</i>	D	Y	
Franklin Tree	<i>Franklinia alatamaha</i>	D	Y	
Possumhaw	<i>Ilex decidua</i>	D	Y	
Saucer Magnolia	<i>Magnolia x soulangiana</i>	D	N	
Star Magnolia	<i>Magnolia stellata</i>	D	Y	
Sweetbay Magnolia	<i>Magnolia virginiana</i>	D	Y	
Crabapples	<i>Malus</i> cultivars/varieties	D	N	disease resistant only
Apples (Heirloom)	<i>Malus domestica</i> spp.	D	N	
American Hophornbeam	<i>Ostrya virginiana</i>	D	Y	
Sourwood	<i>Oxydendrum arboreum</i>	D	Y	
Chinese Pistache	<i>Pistacia chinensis</i>	D	N	
American Plum	<i>Prunus americana</i>	D	Y	
Chickasaw Plum	<i>Prunus augustifolia</i>	D	Y	
Japanese flowering apricot	<i>Prunus mume</i>	D	N	
Flowering Cherry	<i>Prunus serrulata</i>	D	N	
Yoshino Cherry	<i>Prunus x yedoensis</i>	D	N	
Fruiting Pear	<i>Pyrus</i> spp.	D	N	
Japanese Snowbell	<i>Styrax japonicus</i>	D	N	
Japanese Tree Lilac	<i>Syringa reticulata</i>	D	N	
Littleleaf Linden 'Green Globe'	<i>Tilia cordata</i> 'Green Globe'	D	N	

Evergreen Low Growing Trees

Foster's Hybrid Hollies	<i>Ilex x attenuate</i> 'Fosteri'	E	N	
Burford Holly -tree form	<i>Ilex cornuta</i> 'Burfordi'	E	N	
Nellie R. Stevens Holly	<i>Ilex x</i> 'Nellie R. Stevens'	E	N	
Little Gem Magnolia	<i>Magnolia grandiflora</i> 'Little Gem'	E	Y	
Cherry Laurel – tree form	<i>Prunus caroliniana</i>	E	Y	

SHRUBS – a woody plant with multiple stems capable of growing to a height of no more than 15 feet.

Shrubs for Buffer Yards: One half of required shrubs must be evergreen species and reach a height of 5 feet within 5 years of planting.

Deciduous Shrubs:

Glossy Abelia	<i>Abelia x grandiflora</i> & cultivars	D	N	
Red Chokecherry	<i>Aronia arbutifolia</i> & cultivars	D	Y	
Japanese Barberry	<i>Berberis thunbergii</i> & cultivars	D	N	
Flowering Quince	<i>Chaenomeles speciosa</i>	D	N	
Flowering Forsythia	<i>Forsythia x intermedia</i>	D	N	
Oakleaf Hydrangea	<i>Hydrangea quercifolia</i> & cultivars	D	Y	
Finetooth Holly	<i>Ilex serrata</i>	D	N	
Winterberry	<i>Ilex verticillata</i>	D	Y	
Virginia Sweetpire	<i>Ilex virginica</i>	D	Y	
Beauty Bush	<i>Kolkwitzia amabilis</i>	D	N	
Viburnum	<i>Viburnum</i> species & cultivars	D	Y	

Evergreen Shrubs

Chinese Hollies	<i>Ilex cornuta</i> cultivars	E	N	
Japanese Holly	<i>Ilex crenata</i>	E	N	
Meserveae hybrid Hollies	<i>Ilex x meserveae</i>	E	N	
Chinese Juniper	<i>Juniperus chinensis</i>	E	N	
Leatherleaf Mahonia	<i>Mahonia bealei</i>	E	N	
Otto Luyken & Schip Laurels	<i>Prunus laurocerasus</i>	E	N	

Best choices for perimeter evergreen shrubs (must be maintained at 2 ½ feet)

American Boxwood	<i>Buxus sempervirens</i>	E	N	
Otto Luyken & Schip Laurel	<i>Prunus laurocerasus</i>	E	N	
Dense Yew	<i>Taxus x media</i> 'Densiformis'	E	N	

NON-RECOMMENDED TREES

Silver Maple	<i>Acer saccharinum</i>	D	Y	
Tree-of-Heaven	<i>Ailanthus altissima</i>	D	N	
Mimoso	<i>Albizia julibrissin</i>	D	N	
Paper Mulberry	<i>Broussonetia papyrifera</i> , syn. <i>Morus papyrifera</i> L	D	N	
Sugarberry	<i>Celtis laevigata</i>	D	Y	
Hackberry	<i>Celtis occidentalis</i>	D	Y	
Leyland Cypress	<i>Cupressus x leylandii</i>	E	N	
Russian Olive	<i>Elaeagnus angustifolia</i>	D	N	

Ash spp. (green, white, blue)	<i>Fraxinus</i> spp.	D	Y	Emeral Ash Borer
Chinese Parasol Tree	<i>Firmiana simplex</i>	D	N	
Goldenrain Tree	<i>Koelreuteria paniculata</i>	D	N	
China Berry	<i>Melia azedarach</i>	D	N	
Royal Paulownia/Princess Tree	<i>Paulownia tomentosa</i>	D	N	
White Poplar	<i>Populus alba</i>	D	N	
Bradford Pear	<i>Pyrus calleryana</i> (all varieties)	D	N	Invasive, breaks
Pin Oak	<i>Quercus palustris</i>	D	Y	
Chinese Tallow	<i>Triadica sebifera</i>	D	N	
Eastern (Canadian) Hemlock	<i>Tsuga canadensis</i>	E	Y	Hemlock Woolly Adelgid
Siberian Elm	<i>Ulmus pumila</i>	D	N	
PROHIBITED SHRUBS				
Shrub Althea	<i>Hibiscus syriacus</i>	D	N	Invasive
Nandina/Dwarf Nandina	<i>Nandina domestica</i>	E	N	Invasive
Commercial Use Only				
Green Giant' arborvitae	<i>Thuja standishii</i> x <i>plicata</i>	E	N	May not meet tree regs., difficult to distinguish types