

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	Shape	Deciduous/ Evergreen	Mature Height	Width	*Native/ Exotic	Notes/ Notable Features (Fruit, Bark, Fall Color)	Site Preferences	Recommended By
Deciduous Trees										
Florida Maple/Southern Sugar Maple	<i>Acer barbatum</i>		Round/Oval	D	40 - 50'	20 - 25'	Native		wet to moist	
Black Maple	<i>Acer nigrum</i>		Dense rounded	D	60 - 75'	40 - 60'	Native			
Red Maple 'Armstrong'	<i>Acer rubrum</i> 'Armstrong'		Columnar	D	50 - 60'	15 - 25'	Native			
Red Maple 'Bowhall'	<i>Acer rubrum</i> 'Bowhall'		Columnar	D	40 - 59'	10 - 15'	Native			
Sugar Maple and varieties	<i>Acer saccharum</i>		Oval/Round	D	50 - 80'	35 - 50'	Native			
Ohio Buckeye	<i>Aesculus glabra</i>		Oval	D	20 - 40'	20 - 40'	Native			Neil Leitson
Yellow Buckeye	<i>Aesculus flava</i>		Oblong/Round	D	50 - 75'	30 - 50'	Native		moist, cool, slightly acid	Neil Leitson
Common Alder/Black Alder	<i>Alnus glutinosa</i>		Pyramidal	D	40 - 60'	20 - 40'	Exotic			
River Birch	<i>Betula nigra</i>		Pyramidal/Round	D	40 - 70'	40 - 60'	Native		wet, moist, tolerates dry	
Katsura Tree	<i>Cercidiphyllum japonicum</i>		Round	D	40 - 60'	25 - 60'	Exotic			
American Yellowwood	<i>Cladrastis kentukea</i>		Round/Vase	D	30 - 50'	40 - 55'	Native			
Common Persimmon	<i>Diospyros virginiana</i>		Rounded oval	D	35 - 60'	25 - 35'	Native			
Hardy Rubber Tree	<i>Eucommia ulmoides</i>		Round spreading	D	40 - 60'	30 - 50'	Exotic	China		
Gingko	<i>Gingko biloba</i> 'Princeton Sentry'		Columnar	D	40 - 50'	15 - 20'	Exotic	male only		Randall Lanz
Gingko	<i>Gingko biloba</i>		Oval	D	50 - 80'	30 - 40'	Exotic			
Honeylocust	<i>Gleditsia triacanthos</i> var. <i>inermis</i>		Rounded	D	60 - 80'	60 - 80'	Native	thornless, fruitless only		
Kentucky Coffeetree	<i>Gymnocladus dioicus</i>		Oval/round	D	60 - 80'	40 - 55'	Native	fruitless varieties only		
Sweetgum 'Slender Silhouette'	<i>Liquidambar styraciflua</i>		Columnar	D	35 - 50'	3 - 6'	Native	fruitless varieties only		
Yellow Poplar/Tuliptree/Tulip Poplar	<i>Liriodendron tulipifera</i>		Pyramidal	D	60 - 90'	30 - 50'	Native			
Arnold Tulip Poplar	<i>Liriodendron tulipifera</i> 'Arnold'		Columnar	D	25 - 50'	8 - 10'	Native			
Dawn Redwood	<i>Metasequoia glyptostroboides</i>		Pyramidal	D	70 - 100'	15 - 25'	Exotic			
Black Gum/Black Tupelo	<i>Nyssa sylvatica</i>		Pyramid/Oval	D	30 - 50'	20 - 30'	Native			
Amur Corktree	<i>Phellodendron amurense</i>		Broad rounded	D	30 - 45'	30 - 60'	Exotic			
London Planetree	<i>Platanus x acerifolia</i>		Pyramidal	D	75 - 100'	60 - 75'	Exotic			
American sycamore	<i>Platanus occidentalis</i>		Rounded	D	75 - 100'	75 - 100'	Native			
Sawtooth Oak	<i>Quercus acutissima</i>		Round	D	40 - 60'	40 - 60'	Exotic			
White Oak	<i>Quercus alba</i>		Round	D	50 - 80'	50 - 80'	Native			
Swamp White Oak	<i>Quercus bicolor</i>		Broad/Rounded	D	50 - 60'	50 - 60'	Native			Neil Leitson
Scarlet Oak	<i>Quercus coccinea</i>		Round	D	50 - 70'	40 - 50'	Native		not in alkaline soils	
Southern Red Oak	<i>Quercus facata</i>		Open rounded	D	60 - 80'	40 - 50'	Native			

Cherrybark oak	<i>Quercus facata var pagodafolia</i>		Pyramidal/Spread	D	100 - 130'	60 - 70'	Native			
Overcup Oak	<i>Quercus lyrata</i>		Rounded	D	40 - 60'	40 - 60'	Native		low, wet soil	Neil Leitson
Shingle Oak	<i>Quercus imbricaria</i>		Round	D	40 - 60'	40 - 60'	Native		not in alkaline soils	
Bur Oak	<i>Quercus macrocarpa</i>		Round/Spreading	D	70 - 85'	70 - 85'	Native		wet or dry	Neil Leitson
Chinkapin Oak	<i>Quercus muehlenbergii</i>		Open globular	D	40 - 50'	40 - 50'	Native		well-drained,soil	
Nuttall Oak	<i>Quercus nuttallii (texana)</i>		Spreading/Round	D	50 - 80'	40 - 65'	Native			
Willow Oak	<i>Quercus phellos</i>		Round/Pyramidal	D	40 - 75'	25 - 50'	Native		not in alkaline soils	
Chestnut Oak	<i>Quercus prinus (Q. montana)</i>		Round	D	50 - 70'	50 - 70'	Native			
English Oak	<i>Quercus robur</i>		Columnar	D	40 - 60'	15 - 20'	Exotic			
Northern Red Oak	<i>Quercus rubra</i>		Round	D	50 -75'	50 - 75'	Native		not in alkaline soils	
Shumard Oak	<i>Quercus shumardii</i>		Oval	D	40 - 60'	30 - 40'	Native		not in alkaline soils	
Baldcypress	<i>Taxodium distichum</i>		Pyramidal	D	50 - 70'	20 - 45'	Native			
American Basswood	<i>Tilia americana</i>		Ovate/Rounded	D	50 - 80'	30 - 50'	Native			
White Basswood	<i>Tilia americana var heterophylla</i>		Oblong	D	60 - 80'	40 - 50'	Native		well-drained, moist	Kevin Key
Littleleaf Linden	<i>Tilia cordata</i>		Pyramidal/Ovate	D	50 - 70'	35 - 50'	Exotic			Randall Lanz
Silver Linden	<i>Tilia tomentosa</i>		Broad Columnar	D	50 - 70'	30 - 50'	Exotic			
Winged Elm	<i>Ulmus alata</i>		Open rounded	D	30 - 50'	25 - 40'	Native			
American Elm 'Valley Forge'	<i>Ulmus americana</i>		Vase	D	60 - 70'	50 - 60'	Native	disease resistant		
Chinese Elm	<i>Ulmus parvifolia 'Bosque'</i>		Oval	D	40 - 50'	25 - 40'	Exotic	disease resistant only		Randall Lanz
Slippery Elm	<i>Ulmus rubra</i>		Vase/Rounded	D	40 - 60'	30 - 50'	Native			
September Elm	<i>Ulmus serotina</i>		Rounded	D	30 - 50'		Native	disease resistant only		
Japanese Zelkova	<i>Zelkova serrata 'Green Vase'</i>		Vase	D	50 - 80'	50 - 80'	Exotic			Randall Lanz
Evergreen Trees										
Cryptomeria	<i>Cryptomeria japonica</i>		Slender pyramid	E	50 - 60'	20 - 30'	Exotic			
American Holly and cultivars	<i>Ilex opaca</i>		Pyramidal/Open	E	15 - 30'	10 - 20'	Native			
Eastern Redcedar	<i>Juniperus virginiana</i>		Conical/Columnar	E	30 - 65'	8 - 25'	Native		full sun	
Southern Magnolia	<i>Magnolia grandiflora</i>		Pyramidal/Columnar	E	60 - 80'	30 - 40'	Native			
Norway Spruce	<i>Picea abies</i>		Pyramidal	E	40 - 60'	25 - 30'	Exotic			
Shortleaf Pine	<i>Pinus echinata</i>		Pyramidal	E	50 - 60'	20 - 35'	Native		full sun	
Scots Pine	<i>Pinus sylvestris</i>		Open rounded	E	30 - 60'	30 - 40'	Exotic			
Japanese Black Pine	<i>Pinus thunbergiana</i>		Conical/Spreading	E	20 - 60'	12 - 20'	Exotic			
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>		Rounded	D	20 - 30'	20 - 30'	Native			
Hedge Maple	<i>Acer campestre</i>		Rounded	D	25 - 35'	25 - 35'	Native			
Paperbark Maple	<i>Acer griseum</i>		Oval	D	20 - 30'	15 - 25'	Native			

Japanese Maple	<i>Acer palmatum</i>		Broad rounded	D	10 - 25'	10 - 25'	Exotic		
Red Buckeye	<i>Aesculus pavia</i>		Rounded	D	12 - 15'	12 - 15'	Native		
Serviceberry	<i>Amelanchier arborea</i>		Rounded	D	15 - 25'	15 - 25'	Native		
American Hornbeam	<i>Carpinus caroliniana</i>		Globular	D	20 - 35'	20 - 35'	Native		moist, deep soil
Eastern Redbud and cultivars	<i>Cercis canadensis</i>		Umbrella crown	D	20 - 30'	25 - 35'	Native		
Chinese Fringetree	<i>Chionanthus retusus</i>		Rounded	D	10 - 20'	10 - 20'	Exotic		
White Fringetree	<i>Chionanthus virginicus</i>		Spreading, open	D	12 - 20'	12 - 20'	Native		
Flowering Dogwood 'white cultivar'	<i>Cornus florida</i>		Broadly pyramidal	D	15 - 30'	15 - 30'	Native		Randall Lanz
Kousa Dogwood	<i>Cornus kousa</i>		Vase	D	15 - 30'	15 - 30'	Exotic		
Washington Hawthorn	<i>Crataegus phaenopyrum</i>		Rounded	D	25 - 30'	25 - 30'	Native	blight	
Green Hawthorn	<i>Crataegus viridis</i>		Rounded	D	25 - 30'	25 - 30'	Native	bright red fruit	
Franklin Tree	<i>Franklinia alatamaha</i>		Rounded	D	10 - 20'	6 - 15'	Native		
Possumhaw	<i>Ilex decidua</i>		Rounded	D	7 - 15'	5 - 12'	Native		
Saucer Magnolia	<i>Magnolia x soulangiana</i>		Rounded	D	20 - 25'	20 - 25'	Exotic		
Star Magnolia	<i>Magnolia stellata</i>		Rounded	D	15 - 20'	10 - 15'	Native		
Sweetbay Magnolia	<i>Magnolia virginiana</i>		Rounded	D	10 - 35'	10 - 35'	Native		
Crabapples	<i>Malus</i> cultivars/varieties		Spreading/Oval	D	15 - 20'	variable	Exotic	disease resistant only	moist, acid soil
Apples (Heirloom)	<i>Malus domestica</i> spp.		Dense, twiggy	D	13 - 39'	variable	Exotic	many species & cultivars	Randall Lanz
American Hophornbeam	<i>Ostrya virginiana</i>		Conical/Rounded	D	25 - 40'	17 - 27'	Native		
Sourwood	<i>Oxydendrum arboreum</i>		Straight/Narrow	D	20 - 50'	10 - 25'	Native		
Chinese Pistache	<i>Pistacia chinensis</i>		Oval/Rounded	D	30 - 35'	20 - 30'	Exotic	Needs early pruning	Randall Lanz
American Plum	<i>Prunus americana</i>		Broad crown	D	15 - 25'	15 - 25'	Native		
Chickasaw Plum	<i>Prunus augustifolia</i>		Irregular	D	4 - 20'	4 - 20'	Native		Patricia Miller
Japanese flowering apricot	<i>Prunus mume</i>		Rounded	D	15 - 20'	15 - 20'	Exotic		NES list
Flowering Cherry	<i>Prunus serrulata</i>	Kwanzan	Vase/Rounded	D	15 - 23'	15 - 25'	Exotic		
Yoshino Cherry	<i>Prunus x yedoensis</i>		Rounded/Open	D	30 - 40'	30 - 40'	Exotic		Randall Lanz
Fruiting Pear	<i>Pyrus</i> spp.		Narrow	D	25 - 55'	12 - 25'	Exotic		Randall Lanz
Japanese Snowbell	<i>Styrax japonicus</i>		Rounded	D	20 - 30'	20 - 30'	Exotic		
Japanese Tree Lilac	<i>Syringa reticulata</i>		Oval rounded	D	10 - 30'	15 - 20'	Exotic		
Littleleaf Linden 'Green Globe'	<i>Tilia cordata</i> 'Green Globe'		Rounded	D	12 - 15'	10 - 14'	Exotic	grafted	
Evergreen Low Growing Trees									
Foster's Hybrid Hollies	<i>Ilex x attenuate</i> 'Fosteri'		Conical	E	20 - 30'	10 - 20'	Exotic		
Burford Holly -tree form	<i>Ilex cornuta</i> 'Burfordi'		Round/Vase	E	15 - 25'	15 - 25'	Exotic		
Nellie R. Stevens Holly	<i>Ilex x</i> 'Nellie R. Stevens'		Conical	E	15 - 25'	8 - 12'	Exotic		
Little Gem Magnolia	<i>Magnolia grandiflora</i> 'Little Gem'		Oval/Pyramidal	E	15 - 20'	7 - 10'	Native		
Cherry Laurel – tree form	<i>Prunus caroliniana</i>		Rounded/Pyramidal	E	20 - 40'	15 - 20'	Native		

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		Rounded	D	3 - 6'	3 - 6'	Exotic		
Red Chokecherry	<i>Aronia arbutifolia</i> & cultivars		Vase	D	6 - 12'	3 - 5'	Native		
Flowering Quince	<i>Chaenomeles speciosa</i>		Broad rounded	D	6 - 10'	6 - 10'	Exotic		
Flowering Forsythia	<i>Forsythia x intermedia</i>		Arching rounded	D	6 - 9'	6 - 9'	Exotic		
Oakleaf Hydrangea	<i>Hydrangea quercifolia</i> & cultivars		Rounded	D	4 - 8'	4 - 6'	Native		
Finetooth Holly	<i>Ilex serrata</i>		Rounded/Vase	D	12 - 20'	10 - 15'	Exotic		
Winterberry	<i>Ilex verticillata</i>		Upright rounded	D	3 - 12'	3 - 12'	Native		
Virginia Sweetspire	<i>Ilex virginica</i>		Rounded	D	3 - 4'	4 - 6'	Native		
Beauty Bush	<i>Kolkwitzia amabilis</i>		Arching vase	D	6 - 10'	6 - 10'	Exotic		
Viburnum	<i>Viburnum</i> species & cultivars		Varies	D	4 - 12'	3 - 12'	Nat/Exot		
Evergreen Shrubs									
Chinese Hollies	<i>Ilex cornuta</i> cultivars		Upright rounded	E	8 - 25'	5 - 7'	Exotic		
Japanese Holly	<i>Ilex crenata</i>		Compact upright	E	5 - 8'	5 - 8'	Exotic		
Meserveae hybrid Hollies	<i>Ilex x meserveae</i>		Broad upright	E	10 - 15'	8 - 10'	Exotic		
Chinese Juniper	<i>Juniperus chinensis</i>		Conical/Spreading	E	15 - 18'	6 - 8'	Exotic		
Otto Luyken & Schip Laurels	<i>Prunus laurocerasus</i>		Broad spreading	E	3 - 4'	6 - 8'	Exotic		
Best choices for perimeter evergreen shrubs (must be maintained at 2 ½ feet)									
American Boxwood	<i>Buxus sempervirens</i>		Broad rounded	E	5 - 15'	5 - 15'	Exotic		
Otto Luyken & Schip Laurel	<i>Prunus laurocerasus</i>		Broad spreading	E	3 - 4'	6 - 8'	Exotic		
Dense Yew	<i>Taxus x media</i> 'Densifomis'		Spreading mound	E	3 - 4'	4 - 6'	Exotic		
PROHIBITED TREES									
Amur Maple	<i>Acer ginnala</i>		Rounded	D	15 - 20'	15 - 20'	Exotic	Invasive in Midwest	
Silver Maple	<i>Acer saccharinum</i>			D			Native	**Invasive, breaks	
Tree-of-Heaven	<i>Ailanthus altissima</i>			D			Exotic		

Minosa	<i>Albizia julibrissin</i>			D			Exotic		
Paper Mulberry	<i>Broussonetia papyrifera, syn. Morus papyrifera L</i>			D			Exotic		
Sugarberry	<i>Celtis laevigata</i>			D			Native		
Hackberry	<i>Celtis occidentalis</i>			D			Native		
Leyland Cypress	<i>Cupressus x leylandii</i>			E			Exotic		
Russian Olive	<i>Elaeagnus angustifolia</i>			D			Exotic		
Ash spp. (green, white, blue)	<i>Fraxinus spp.</i>			D			Native	Emeral Ash Borer	
Chinese Parasol Tree	<i>Firmiana simplex</i>			D			Exotic		
Goldenrain Tree	<i>Koelreuteria paniculata</i>			D			Exotic		
China Berry	<i>Melia azedarach</i>			D			Exotic		
Royal Paulownia/Princess Tree	<i>Paulownia tomentosa</i>			D			Exotic		
White Poplar	<i>Populus alba</i>			D			Exotic		
Bradford Pear	<i>Pyrus calleryana</i> (all varieties)			D			Exotic	Invasive, breaks	
Pin Oak	<i>Quercus palustris</i>			D			Native	Intolerant of high pH	
Chinese Tallow	<i>Triadica sebifera</i>			D			Exotic		
Eastern (Canadian) Hemlock	<i>Tsuga canadensis</i>			E			Native	Hemlock Wooly Adelgid	
Siberian Elm	<i>Ulmus pumila</i>			D			Exotic		
PROHIBITED SHRUBS									
Japanese Barberry	<i>Berberis thunbergii</i> & cultivars		Ovate	D	3 - 6'	3 - 6'	Exotic	Invasive	
Shrub Althea	<i>Hibiscus syriacus</i>			D			Exotic	Invasive	
Leatherleaf Mahonia	<i>Mahonia bealei</i>		Upright	E	4 - 8'	4 - 6'	Exotic	Invasive	
Nandina/Dwarf Nandina	<i>Nandina domestica</i>			E			Exotic	Invasive	
Commercial Use Only?									
Green Giant' arborvitae	<i>Thuja standishii x plicata</i>		Narrow pyramida	E	40 - 60'	12 - 18'	Exotic	May not meet tree regs., difficult to distinguish types	Will Worrall
*Native Plant: A plant that is a part of the balance of nature that has developed over hundreds or thousands of years in a particular region or ecosystem.									
Exotic Plant: A plant not native to the continent on which it is now found. (Plants from Europe are exotic in North America; plants from North America are exotic in Japan.)									
**Invasive Plant: A plant that is both non-native and able to establish on many sites, grow quickly, and spread to the point of disrupting plant communities or ecosystems.									