

APPENDIX 15

Preferred Street Tree Species

City of Hamilton Tree Species List

SECTION 7 TREE SPECIES LIST BY RECOMMENDED USE

SALT TOLERANT TREES	URBAN STREET TREES
<p>Acer campestre Amelanchier canadensis Aronia arbutifolia Betula sp. Elaeagnus angustifolia Fraxinus sp. Gingko biloba Gleditsia tricanthos Hamamelis virginiana Hibiscus syriacus Hippophae rhamnoides Maclura pomifera Magnolia x soulangiana Nyssa sylvatica Populus sp. Quercus sp. Rhus typhina Salix sp. Sorbus sp.</p>	<p>Acer campestre Acer platanoides Acer pseudoplatanus Celtis occidentalis Corylus columna Eucommia ulmoides Gingko biloba Gleditsia tricanthos var. inermis (over planted) Platanus x acerifolia Prunus virginiana , recommended for areas of limited space only Pyrus calleryana , recommended for areas of limited space only Sophora japonica</p>
COMPACTION TOLERANT	RESIDENTIAL STREET TREES
<p>Acer negundo Acer rubrum Acer saccharinum Acer x freemanii Alnus sp. Betula nigra Carya illinoensis Celtis occidentalis Cercis canadensis Crataegus sp. Fraxinus sp. Juglans nigra Liquidambar styraciflua Nyssa sylvatica Platanus sp. Populus sp. Quercus bicolor Quercus imbricaria Quercus laurifolia Quercus macrocarpa Quercus palustris Quercus rubra Robinia pseudoacacia Salix sp. Ulmus sp.</p>	<p>Acer campestre Acer x freemanii Acer rubrum Acer tartaricum Acer triflorum Acer truncatum Acer pseudoplatanus Aesculus hippocastanum (sterile c/v's only) Aesculus x carnea Amelanchier canadensis Carpinus betulus Celtis occidentalis Cercidiphyllum japonicum Corylus columna Eucommia ulmoides Gingko biloba (male selection) Gleditsia Tricanthos var. inermis Gymnocladus dioicus (can be messy) Koelreuteria paniculata Liquidamber styraciflua Maackia amurensis Magnolia x soulangiana Nyssa sylvatica Ostrya virginiana Phellodendron amurense (male selection) Platanus x acerifolia Pterocarya fraxinifolia Prunus virginiana Pyrus calleryana , recommended for areas of limited space only Quercus (various species with diverse use) Sassafras albidum Sophora japonica Sorbus thuringiana Syringa reticulata , recommended for areas of limited space only Tilia cordata Tilia x euchlora Tilia tomentosa Ulmus parvifolia Zelkova serrata</p>

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
<i>Acer campestre</i>	Hedge Maple	25-35 ft, occasionally 70-75 ft	Comparable to height
<i>Acer x freemanii</i>	Freeman Maple	N/A	N/A
<i>Acer ginnala</i>	Amur Maple	15-18 ft, possibly 25 ft	Equal to or exceeding height
<i>Acer griseum</i>	Chinese Paperbark Maple	20-30 ft	One-half or equal to height
<i>Acer japonicum</i>	Fullmoon Maple	20-30 ft	Comparable to height or larger
<i>Acer negundo</i>	Manitoba Maple	30-50 ft	Variable, usually equal to or greater than height
<i>Acer nigrum</i>	Black Maple	N/A	N/A
<i>Acer palmatum</i>	Japanese Maple	15-25 ft, variable	Equal to or greater than height
<i>Acer pensylvanicum</i>	Striped Maple	15-20 ft	Less than or equal to height
<i>Acer platanoides</i>	Norway Maple	40-50 ft, occasionally over 90 ft	Usually two-thirds or equal to height
<i>Acer pseudoplatanus</i>	Sycamore Maple	40-60 ft under most landscape conditions	Two-thirds or equal to height
<i>Acer rubrum</i>	Red Maple, Swamp Maple	40-60 ft	Less than or equal to height
<i>Acer saccharinum</i>	Silver Maple	50-70 ft, can grow 100-120 ft	Usually two-thirds of the height
<i>Acer saccharum</i>	Sugar maple	60-75 ft, potentially 100-120 ft	Two-thirds of the height, variable
<i>Acer spicatum</i>	Mountain Maple	Variable, 10-30 ft	N/A
<i>Acer tartaricum</i>	Tatarian Maple	15-20 ft, can grow 30 ft	Comparable to height
<i>Acer triflorum</i>	Three Flower Maple	20-30 ft	Comparable to height
<i>Acer truncatum</i>	Purpleblow Maple	20-25 ft	Slightly less than or equal to height
<i>Aesculus x carnea</i>	Red Horsechestnut	30-40 ft	N/A

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
<i>Aesculus flava</i> syn. <i>A. octandra</i>	Yellow Buckeye/ Chestnut	60-75 ft	N/A
<i>Aesculus glabra</i>	Ohio Buckeye	20-40 ft	Similar to height
<i>Aesculus hippocastanum</i>	Horsechestnut	50-75 ft, can grow 100 ft or larger	40-70 ft
<i>Aesculus parviflora</i>	Bottlebrush Buckeye	8-12 ft	8-15 ft
<i>Ailanthus altissima</i>	Tree of Heaven	40-60 ft	Variable, two-thirds to equal to height
<i>Alnus glutinosa</i>	Alder	40-60 ft, can grow 90-100 ft	20-40 ft
<i>Amelanchier canadensis</i>	Serviceberry	6-20 ft	N/A
<i>Aralia elata</i>	Devil's Walking Stick	10-20 ft, will grow 30+	N/A
<i>Aronia arbutifolia</i>	Chokeberry	6-10 ft, variable	3-5 ft, variable
<i>Asimina triloba</i>	Pawpaw	15-20 ft, will grow 30-40 ft	15-20 ft
<i>Betula lenta</i>	Cherry birch	40-55 ft	35-45 ft
<i>Betula nigra</i>	River Birch	40-70 ft, may reach 90 ft	40-60 ft
<i>Betula papyrifera</i>	Paper Birch	50-70 ft	One-half to two-thirds of the height
<i>Betula pendula</i>	Weeping birch	40-50 ft	One-half to two-thirds of the height
<i>Caragana arborescens</i>	Peashrub	15-20 ft	12-18 ft
<i>Carpinus betulus</i>	Hornbeam	40-60 ft, can grow 70-80 ft	30-40 ft
<i>Carpinus caroliniana</i>	Blue Beech	20-30 ft, can reach 40-50 ft	Equal to height or smaller

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
<i>Carya cordiformis</i>	Bitternut Hickory	50-75 ft or larger	Usually a slender tree, cylindrical crown, widest at the top
<i>Carya glabra</i>	Pignut Hickory	50-60 ft, can grow 100 ft	25-35 ft
<i>Carya illinoensis</i>	Pecan	70-100 ft, can grow 150 ft	40-75 ft
<i>Carya laciniosa</i>	Big Shellbark Hickory	60-80 ft or greater	Narrow oblong crown
<i>Carya ovata</i>	Shagbark Hickory	60-80 ft, can grow 100-120 ft	Narrow oblong crown
<i>Castanea dentata</i>	American Chestnut	N/A	N/A
<i>Catalpa speciosa</i>	Catalpa	40-60 ft	20-40 ft
<i>Celtis occidentalis</i>	Hackberry	40-60 ft, can grow 100 ft	Nearly equal to height
<i>Cercidiphyllum japonicum</i>	Katsura	40-60 ft	Variable
<i>Cersis canadensis</i>	Redbud	20-30 ft	25-35 ft
<i>Cladrastis lutea</i>	Yellowwood	30-50 ft	40-55 ft
<i>Cornus alternifolia</i>	Pagoda Dogwood	15-25 ft	Possibly one and one-half times the height
<i>Cornus florida</i>	Flowering Dogwood	30-40 ft, variable	Equal or considerably greater than height
<i>Cornus kousa</i>	Kousa Dogwood	20-30 ft	20-30 ft
<i>Cornus mas</i>	Cornelian Cherry	20-35 ft	15-20 ft
<i>Coryopsis glabrescens</i>	Winterhazel	8-15 ft	Similar to height
<i>Corylus americana</i>	Filbert/Hazel	15-18 ft	Two-thirds of the height
<i>Corylus columna</i>	Turkish Hazel	40-50 ft	One-third to two-thirds of the height

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
<i>Cotinus coggygria</i>	Smoketree	10-15 ft	10-15 ft
<i>Crataegus oxyacantha</i>	English Hawthorn	15-20 ft	12-20 ft
<i>Crataegus</i> sp.	Hawthorns	Variable	Variable
<i>Elaeagnus angustifolia</i>	Russian Olive	12-20 ft, occasionally will grow 30-40 ft	Comparable to height
<i>Eucommia ulmoides</i>	Hardy Rubber Tree	40-60 ft	Equal to or greater than height
<i>Euonymus europaeus</i>	Spindletree	12-30 ft	10-25 ft
<i>Fagus grandifolia</i>	American Beech	50-70 ft, maximum 100-120 ft	Usually less than or equal to height
<i>Fagus sylvatica</i>	European Beech	50-60 ft, can grow 100 ft	35-45 ft
<i>Fraxinus americana</i>	White Ash	50-80 ft, can grow 120 ft	Similar to height
<i>Fraxinus excelsior</i>	European Ash	70-80 ft	60-90 ft
<i>Fraxinus pennsylvanica</i>	Red/green Ash	50-60 ft, can grow over 80 ft	One-half of the height
<i>Fraxinus quadrangular</i>	Blue Ash	50-70 ft	Narrow, rounded irregular crown
<i>Ginkgo biloba</i>	Ginkgo	50-80 ft, can grow 100 ft or more	Variable, ranging 30-40 ft to greater than height at maturity
<i>Gleditsia tricanthos</i> var. <i>inermis</i>	Honey Locust	30-70 ft, variable	Comparable to height
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree	60-75 ft, can grow to 90 ft	40-50 ft
<i>Halesia carolina</i>	Carolina Silverbell	30-40 ft, can grow 80 ft	20-35 ft
<i>Hamamelis vernalis</i>	Vernal Witchhazel	6-10 ft	6-10 ft or greater

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
<i>Hamamelis virginiana</i>	Witchhazel	20-30 ft	20-25 ft
<i>Hibiscus syriacus</i>	Rose of Sharon	8-12 ft	6-10 ft
<i>Hippophae rhamnoides</i>	Sea Buckthorn	8-12 to 30 ft	10-40 ft
<i>Hydrangea paniculata</i>	Peegee Hydrangea	15-25 ft, variable, often 10 ft or less	10-20 ft
<i>Juglans cinerea</i>	Butternut	40-60 ft, can grow 100 ft	30-50 ft
<i>Juglans nigra</i>	Black Walnut	50-75 ft, maximum of 125-150 ft	Similar to height
<i>Juglans regia</i>	English Walnut	40-60 ft	Comparable to or greater than height
<i>Koelreuteria paniculata</i>	Golden Rain Tree	30-40 ft	Equal to or greater than height
<i>Laburnum x watereri</i>	Golden Chain Tree	12-15 ft	9-12 ft
<i>Liquidambar styraciflua</i>	Sweetgum	60-75 ft	Two-thirds to equal to the height
<i>Liriodendron tulipifera</i>	Tuliptree	70-90 ft, can grow to 150 ft or greater	35-50 ft
<i>Maackia amurensis</i>	Maackia	20-30 ft	Equal to or greater than height
<i>Maclura pomifera</i>	Osage Orange	20-40 ft, can grow 60 ft	Comparable to height
<i>Magnolia acuminata</i>	Cucumbertree	50-80 ft	Comparable to height at maturity, in youth considerably less
<i>Magnolia x soulangiana</i>	Saucer Magnolia	20-30 ft	Variable, often similar to height
<i>Magnolia stellata</i>	Star Magnolia	15-20 ft	10-15 ft
<i>Malus coronaria</i>	Wild Crab	20-30 ft	N/A

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
<i>Malus</i> sp.	Crabapples	Variable	Variable
<i>Metasequoia glyptostroboides</i>	Dawn Redwood	70-100 ft	25 ft
<i>Morus alba</i>	White Mulberry	30-50 ft	Comparable to height
<i>Morus rubra</i>	Red Mulberry	40-70 ft	40-50 ft
<i>Nyssa sylvatica</i>	Black Gum	30-50 ft	20-30 ft
<i>Ostrya virginiana</i>	Ironwood	25-40 ft	Two-thirds to equal to height
<i>Paulownia tomentosa</i>	Princess Tree	30-40 ft	Equal to height
<i>Phellodendron amurense</i>	Amur Corktree	30-45 ft	Equal to or greater than height
<i>Platanus x acerifolia</i>	London Planetree	70-100 ft, can grow 120 ft	65-80 ft
<i>Platanus occidentalis</i>	Sycamore	75-100, can grow 150 ft	Similar to or greater than height
<i>Populus alba</i>	White Poplar	40-70 ft, can grow 90 ft or greater	Similar to height
<i>Populus x canadensis</i>	Carolina Poplar	N/A	N/A
<i>Populus deltoids</i>	Cottonwood	75-100 ft	50-75 ft
<i>Populus nigra</i> var. <i>'italica'</i>	Lombardy Poplar	70-90 ft	10-15 ft
<i>Populus tremuloides</i>	Aspen	40-50 ft	20-30 ft
<i>Prunus cerasifera</i>	Flowering Plum	15-30 ft	15-25 ft
<i>Prunus serotina</i>	Black Cherry	50-60 ft, occasionally reaching 100 ft	N/A
<i>Prunus serrulata</i>	Flowering Cherry	20-35 ft	N/A

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
<i>Prunus virginiana</i>	Chokecherry	20-30 ft	18-25 ft
<i>Pseudocyonia sinensis</i>	Quince	30-40 ft	One-half to two-thirds of the height
<i>Ptelea trifoliata</i>	Hoptree	15-20 ft, often 5-15 ft	15-20 ft
<i>Pterocarya fraxinifolia</i>	Caucasian Wingnut	30-50 ft, can grow to 90 ft	Similar to height
<i>Pyrus calleryana</i>	Callery Pear	30-35 ft	20-35 ft
<i>Quercus alba</i>	White Oak	Can grow well over 100 ft in the wild	50-80 ft
<i>Quercus bicolor</i>	Swamp Oak	50-60 ft	Equal to or greater than height
<i>Quercus coccinea</i>	Scarlet Oak	70-75 ft	40-50 ft
<i>Quercus francetta</i>	Italian Oak	N/A	N/A
<i>Quercus macrocarpa</i>	Bur Oak	70-80 ft, can grow over 100 ft	Equal or slightly greater than height
<i>Quercus muehlenbergii</i>	Chikapin Oak	40-50 ft	Usually greater than height at maturity
<i>Quercus palustris</i>	Pin Oak	60-70 ft, can grow over 100 ft	25-40 ft
<i>Quercus prinoides</i>	Dwarf Chinquapin Oak	N/A	N/A
<i>Quercus prinus</i> syn. <i>Q. montana</i>	Chestnut Oak	60-70 ft	Comparable but irregular spread
<i>Quercus robur</i>	English Oak	75-100 ft, averages 40-60 ft under landscape conditions	Comparable to height
<i>Quercus rubra</i>	Red Oak	60-75 ft	40-50 ft
<i>Quercus shumardii</i>	Shumard Oak	N/A	N/A
<i>Quercus velutina</i>	Black Oak	50-60 ft	Variable

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
Rhus typhina	Staghorn Sumac	15-25 ft	Equal to or greater than height
Robinia pseudoacacia	Black Locust	30-50 ft, can grow 70-80 ft	20-35 ft
Salix alba	White Willow	75-100 ft	50-100 ft
Salix discolor	Pussy Willow	N/A	N/A
Salix nigra	Black Willow	N/A	N/A
Salix pentandra	Laurel Willow	Up to 60 ft	N/A
Sambucus canadensis	Elder	Variable, 5-12 ft	Variable
Sassafras albidum	Sassafras	30-60 ft	25-40 ft
Sophora japonica	Pagoda, Pagodatree	50-75 ft	Comparable to height, variable
Sorbus aucuparia	European Mountainash	20-60 ft	Two-thirds to equal to the height
Sorbus thuringiana	Oakleaf Mountainash	N/A	N/A
Syringa reticulata	Japanese Tree Lilac	20-30 ft	15-25 ft
Tilia americana	Basswood	60-80 ft, can grow 100 ft or more	One-half to two-thirds of the height
Tilia cordata	Little Leaf Linden	60-70 ft, can grow 80-90 ft	One-half to two-thirds of the height
Tilia x euchlora	European Linden	40-60 ft	One-half of the height
Tilia tomentosa	Silver Linden	50-70 ft	One-half to two-thirds of the height
Ulmus americana	White Elm	60-80 ft	One-half to two-thirds of the height
Ulmus glabra	Scotch Elm	80-100 ft	50-70 ft

City of Hamilton Tree Species List

SECTION 8

SIZE

<i>Botanical Name</i>	<i>Common Name</i>	<i>Height</i>	<i>Spread</i>
Ulmus parvifolia	Chinese Elm	40-50 ft	Comparable to height
Ulmus pumila	Siberian Elm	50-70 ft	Three-quarters of the height
Ulmus rubra	Slippery Elm	40-60 ft	N/A
Zelkova serrata	Japanese Zelkova	50-80 ft	Equal to height