



Compatible Species List

Project Area: Marchwood Transformer Station to Highway 417





Glossary of Terms

Compatible Vegetation: vegetation that rarely grows to a height that would interfere with the safe operation of Hydro One's Transmission lines.

Coniferous: Any of various mostly needle-leaved or scale-leaved, chiefly evergreen, cone-bearing gymnospermous trees or shrubs such as pines, spruces and firs.

Deciduous: shedding leaves annually, as certain trees and shrubs.

Fern: flowerless vegetation that has feathery or leafy fronds and reproduces by spores released from the undersides of the fronds.



Grass: vegetation that typically bears long narrow leaves, growing wild or cultivated on lawns and pasture, and as a fodder crop.





Incompatible Vegetation: includes any plant or tree species that could grow within the required clearance area.






Perennial: vegetation with a life cycle lasting more than two years, continually recurring.




Sedge: grass-like vegetation with triangular stems and inconspicuous flowers, growing typically in wet ground.





Shrubs and Native Plants (Deciduous)





Image	Botanical Name	Common Name	Description	Approximate Height (meters)	Favoured soil condition/type	Favoured light Conditions
	<i>Aronia melanocarpa</i>	Black Chokeberry	White flowers, black berries, excellent fall colour	2	Dry-moist/sand-loam-clay	Full un to part shade
	<i>Ceanothus Americanus</i>	New Jersey Tea	Tiny white fragrant flowers with dark green leaves and young twigs are yellow and standout in the winter, attracts butterflies	1.25	Dry/sand-silt	Full sun to part shade
	<i>Cephalanthus occidentalis</i>	Buttonbush	Fragrant flowers attract bees, may be difficult to source	2	Moist-wet/sand-silt-clay	Full sun




						
	<i>Diervilla lonicera</i>	Bush Honeysuckle	Reddish-bronze fall colour, good mass planting and slopes, yellow flowers in midsummer, fast grower	1	Dry/sand-silt-clay	Full sun to part shade
	<i>Hypericum kalmianum</i>	Kalm St. John's-Wort	Widely adaptable and hardy, golden- yellow blooms in midsummer, persistent brown seed capsules and exfoliating bark, good winter interest and an excellent xeriscape plant	0.6	Dry-moist/sand-loam-clay	Full sun to part shade
	<i>Hypericum prolificum</i>	Shrubby St. John's-Wort	Bright yellow blooms in June to August with cone shaped seed capsules, exfoliating bark for winter interest	1	Dry-moist/sand-loam-clay	Full sun to part shade
	<i>Myrica gale</i>	Sweet Gale	Cone-like flower clusters, scented	1.5	Moist-wet/ sand-silt-loam	Full sun

			leaves			
	<i>Myrica pensylvanica</i>	Bayberry	Requires a few plants to produce the gray fruit, fragrant with glossy dark green leaves, will attract ducks and fox, salt tolerant	2	Dry-moist/ poor sand soils	Full sun to part shade
 	<i>Rhus aromatica</i>	Fragrant Sumac	Low grower spread by suckers, good for banks and slopes, green aromatic foliage turns to a brilliant scarlet and red berries in the fall	1.5	Dry/sand	Full sun
	<i>Ribes americanum</i>	Wild Black Currant	Dark berries	1.8	Moist/sand-silt-loam	Full sun to part shade

	<i>Rose blanda</i>	Meadow Rose	Single, pink, fragrant blooms in May to June, few thorns with red bark	1.5	Dry-moist/sand-clay	Full sun
	<i>Rosa carolina</i>	Pasture Rose	Five petal, pink fragrant blooms, edible hip are high in vitamin C, orange to red fall colours, good in low wet grounds near swamps and streams, adaptable, salt tolerant	1.75	Dry-moist/sand-loam	Full sun to part shade
	<i>Rosa palustris</i>	Swamp Rose	Attractive pink flowers	2	Moist-wet/ sand-silt-clay	Full sun
	<i>Rosa setigera</i>	Prairie Rose	Shrub or vine, pink to white blooms in June to	1	Dry-moist/ sand-loam-clay	Full sun to part shade


			July, deep red, purple in the fall			
	<i>Rosa woodsii</i>	Wood's Rose	White to pink flowers	2	Dry-moist/sand- clay	Full sun to part shade
 	<i>Rubus Canadensis</i>	Smooth Blackberry	White flowers, black aggregate fruit	2	Moist/sand-loam- clay	Full sun to part shade
	<i>Rubus ideaus</i> var. <i>strigosus</i>	Wild Red Raspberry	Cluster of green flowers in June to July, small red drupelets fruit in	2	Moist/sand-loam- clay	Full sun to part shade

			July and August			
 	<i>Rubus occidentalis</i>	Black Raspberry	Berries turn red to black	1.55	Moist/sand-loam-clay	Full sun to part shade
	<i>Salix candida</i>	Sage-leaved Willow	Narrow silvery foliage, yellow flowers, tolerant of compaction	2	Moist-wet/sand-loam	Full sun
	<i>Salix cordata</i> <i>Spiraea alba</i>	Heart-leaved Willow Meadowsweet	Silvery hairy foliage, pink flowers, tolerant of compaction	1.5 - 2	Dry-moist-wet/clay-sand-silt	Full sun



			white flowers			
	<i>Spiraea latifolia</i>	Steeplebush	Wetland plant with white astilbe- shaped flower clusters, brown fruit capsules in winter	1.25	Moist-wet/loam	Full sun to part shade
	<i>Symphoricarpos albus</i>	White Snowberry	Dainty white flowers in profusion in July, followed by white berries, broad, rounded shape, good in shade	1.5	Dry-moist/ sand-silt-loam	Full sun to full shade
	<i>Viburnum acerifolium</i>	Maple-leaf Viburnum	Slow growing with white cluster flowers, leaves turn red to purple in the fall	2	Dry-moist/ sand-silt-clay	Part shade to full shade





	<i>Viburnum alnifolium</i>	Hobblebush	Large leaves with showy white flowers, new leaves emerge like two hands held together in prayer	2	Moist/ sand-silt-loam	Part shade to full shade
	<i>Viburnum cassinoides</i>	Witherod Verburnum	Flat top white flowers followed by fruits that change from pink to red to blue and black in the fall, good mass planting or	1.5	Moist/sand-loam-clay	Full sun to part shade


			naturalizing, leaves emerge bronze to purple and dull green in summer and orange to red, crimson to purple in the fall			
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Shrubs and Native Plants (Coniferous)

Image	Botanical Name	Common Name	Description	Approximate Height (metres)	Recommended soil condition/type	Recommended light Conditions
 	<i>Juniperus communis</i>	Common Juniper	Blue-black berries, evergreen	1	Dry/sand	Full sun

 	<i>Taxus canadensis</i>	Canadian Yew	Red-orange berries, evergreen	2	Dry-moist/clay-sand-loam	Full sun to full shade
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Perennials and Grasses




Image	Botanical Name	Common Name	Description	Flower Colour/Time	Approximate Height (metres)	Favoured soil condition/favoured light conditions
	<i>Achillea millefolium</i>	Common Yarrow	Perennial	White/June-August	0.45 – 0.6	Dry-moist/full Sun
	<i>Andropogon gerardii</i>	Big Bluestem	Grass	Grass/July-August	2 – 2.5	Dry/full sun

						
	<i>Asclepias incarnata</i> <i>ssp. incarnata</i>	Swamp Milkweed	Perennial	Pink/ July- August	0.3 – 1.5	Dry-moist/full sun
	<i>Asclepias syriaca</i>	Common Milkweed	Perennial	Pink/ June- August	0.5 – 1.5	Dry-moist/full sun




	<i>Athyrium filix-femina</i>	Lady Fern	Fern	N/A	0.3 – 0.9	Moist/part shade to full shade
	<i>Calamagrostis canadensis</i>	Canada Bluejoint	Grass	Grass/July-September	0.5 – 1.8	Moist-wet/full sun to part shade
	<i>Carex bebbii</i>	Bebb's Sedge	Grass/Sedge	Grass-Sedge/May-June	0.6 – 0.8	Moist-wet/full sun to part shade
	<i>Carex elata</i>	Tussock Sedge	Grass/Sedge	Grass-Sedge/May-June	1.2 – 1.5	Moist-wet/full sun to part shade

	<i>Cimicifuga racemosa</i>	Bugbane	Perennial	White/June-July	1.2 – 1.8	Moist/part shade to full shade
	<i>Clematis virginiana</i>	Virgin's Bower	Perennial/Vine	White/August-October	1.8 – 3	Moist-wet/full sun to part shade
	<i>Doellingeria umbellata</i>	Flat-topped Aster	Perennial	White/ September-October	1 – 2	Moist-wet/full sun to part shade
	<i>Elymus canadensis</i>	Canada Wild Rye	Grass	Grass/July-August	0.9 – 1.5	Dry-Moist/Full sun to part shade

						
	<i>Elymus riparius</i>	Riverbank Rye	Grass	Grass/July-August	1.5	Moist/part shade to full shade
	<i>Eupatorium fistulosum</i>	Joe Pye Weed	Perennial	Pink/July-September	1.5 – 2	Moist-wet/full sun to part shade




	<i>Eupatorium maculatum ssp. Maculatum</i>	Spotted Joe-Pye Weed	Perennial	Purple/July-September	1.5 – 1.75	Moist-Wet/full sun
	<i>Glyceria striata and/or stricta</i>	Fowl Manna Grass	Grass	Grass/June-July	1 – 1.8	Moist/part shade
	<i>Juncus effusus</i>	Soft Rush	Standing Perennial Rush	Grass/June-August	0.6 – 1.2	Wet/full sun

	<i>Juncus tenuis</i>	Path Rush	Standing Perennial Rush	Grass/May- September	0.15 – 0.6	Moist-Wet/full sun to part shade
	<i>Onoclea sensibilis</i>	Sensitive Fern	Fern	N/A	0.3 – 0.5	Moist/full sun to part shade
	<i>Panicum virgatum</i>	Switchgrass	Grass	Grass/August- September	0.7 – 2.2	Dry-Moist/full sun

	<i>Physostegia virginiana</i>	Obedient Plant	Perennial	Pink/June-September	0.6 – 0.9	Moist/full sun
	<i>Sanguinaria canadensis</i>	Bloodroot	Perennial	White/April-May	0.15 – 0.25	Moist/part shade to full shade
	<i>Schizachyrium scoparium</i>	Little Bluestem	Grass	Grass/August-February	0.6 – 1.2	Dry-Moist/full sun
	<i>Scirpus atrovirens</i>	Green Bulrush	Perennial (wetland)	Grass/June-July	1.2 – 1.8	Moist-Wet/full sun to part shade



<i>Scirpus cyperinus</i>	Wool Grass	Grass	Grass/June-August	0.9 – 1.8	Wet/full sun
<i>Solidago canadensis</i> var. <i>canadensis</i>	Canada Goldenrod	Perennial	Yellow/August-October	1.8 – 2.0	Moist/full sun to part shade

	<i>Sorghastrum nutans</i>	Indiangrass	Grass	Grass/ September- February	0.9 – 1.8	Dry-Moist/Full Sun
	<i>Spartina pectinata</i>	Prairie Cordgrass	Grass	Grass/July- August	1.2 – 2.1	Moist-Wet/full sun to part shade
	<i>Sporobolus cryptandrus</i>	Sand Dropseed	Grass	Yellow/May- November	0.9	Dry/full sun to part shade
	<i>Symphyotrichum novae-angliae</i>	New England Aster	Perennial	Pink-Purple/ August- September	0.6 – 1.5	Moist/full sun



*Symphotrichum
puniceum*

Swamp Aster

Perennial

Blue-Violet/
August- October

0.6 – 1.5

Moist/full sun to part
shade



Verbena hastata

Blue Vervain

Perennial

Purple/ July-
September

0.6 – 1.8

Moist-Wet/full sun

