

Municipality	Minimum Protected Size (D.B.H.)	Scope	Tree Replacement Determination	Tree Replacement Minimum Sizes	Compensation by Cash	Tree Security Taken	Permit Fees	Staff Administrator	Enforcement Staff	Fines per Tree or per Occurrence	Special Fines
Ajax	Any size	Open space land, park land, green space areas in private yards designated in Schedule, environmentally protected areas, development applications	Replacement by number removed at 1:1 ratio	Varies depending on situation	120% of new tree cost	120% of cost for tree installation and maintenance for 2 years	\$25.00 for the first tree up to \$100.00	Planning Administration	By-Law Officer	\$1,000.00 to \$10,000.00	No
Aurora	20cm	A tree on private property, any tree sized over 70cm dbh, Heritage trees, and per year more than 2 trees per year sized between 20 to 70cm dbh for land under 0.25ha, and per every 0.25ha for land over 0.25ha in size	Aggregate Inch Method to replace what was removed by equivalent size	6cm caliper deciduous 1.75-2m ht. coniferous	Appraisal value (Trunk Formula Method) at 120% of cost for installation and maintenance for 2 years	120% of cost for tree installation and maintenance for 2 years	\$214.00 for 3 trees, up to \$740.00 for 7 trees, \$534.00 per tree for trees over 70cm dbh size	Parks Administrator and Town Arborist (not full-time for either)	Municipal Enforcement Officer	\$500.00 to \$100,000.00	Amount of gain from removal
Burlington	20cm	A tree on private property within the Urban Planning Area Boundary of the municipality sized at or over 20cm dbh, an endangered tree, a Heritage tree, a replacement tree	Replacement ratio to size of trunk removed; 20-35cm dbh = 1 removed: 2 replaced 36-74cm dbh = 1:3 over 75cm dbh = 1:4	Unknown	\$250.00 per tree	Replacement cost per tree	\$390.00 per property for non-development-related applications, \$680.00 per property for development-related applications	Forestry Dept., Arborist	By-Law Officer	\$500.00 to \$100,000.00	Can exceed \$100,000.00
Cambridge	20cm	Any tree within the geographical limits of the City sized at or over 20cm dbh	One or more replacement trees per tree removed at the discretion of the Director, canopy targets to be met of 40% for lots zoned Open Space and Residential, 20% for lots zoned Industrial, Commercial, Institutional	A specific size is not required	Appraisal value (Trunk Formula Method) or current market value of tree, discretionary, value may be reduced by up to 95% by Director	Letter of credit for cost of replacement tree plus 2 years of maintenance	\$47.84 per application	Forestry Dept., Arborist	Officer	\$500.00 to \$100,000.00	Can exceed \$100,000.00
Collingwood	30cm per tree, 15-30cm for more than 4 trees at once	A tree within the boundaries of the Town located on a lot size of 0.5ha or greater with a size at or over 30cm dbh, and 5 or more trees sized between 15 to 30cm dbh, trees on land designated in the Official Plan as Environmentally Protected, Recreational or Rural, trees identified for preservation in an approved Tree Preservation and Protection Plan, trees on lands where there are no development-related applications, trees in woodlands	At the discretion of the Director, the size, species, number and location of replacement trees will vary per application, generally the replacement tree will be equal to the net dbh of the removed tree and replaced as either a single tree or multiple trees	The sizes of replacement trees must be able to compensate for the size of trees removed at a same or greater total diameter	Appraisal value (Trunk Formula Method)	Determined on a per case basis by the Director, and based on the appraisal value of the tree	\$824.00 per application for land between 0.05 to 2 ha in size, \$1117.00 per application for land over 2 ha in size, \$1675.00 for land under Environmental Protection or Regulation	Planning Dept.	Officer	\$1,000.00 to \$100,000.00	No
Guelph	10cm	A tree within the geographic limits of the City that is sized at or over 10cm dbh and is on a lot larger than 0.2ha in size (defined as a 'Regulated Tree')	At the discretion of the Inspector, tree replacement will be at a number of one or more replacement trees per tree removed	6cm caliper deciduous 2.5m ht. coniferous	\$500.00 per tree	\$500.00 per tree for cost of planting plus 2 years of maintenance	\$122.00 per application	Planning Dept.	Officer	\$500.00 to \$100,000.00	No
London	50cm with Urban Growth Boundary, all sizes in Tree Protection Areas	Trees within the Urban Growth Boundary sized at or over 50cm dbh, all trees within the Tree Protection Areas (defined by schedule map)	Tree replacement is by size removed as follows: 50cm dbh = 1 removed:1 replaced, 51-60cm dbh = 1:2, this goes up in increments where the ratio increases by one additional replacement tree required per additional 9cm dbh of removed tree size up to where trees over 141cm dbh = 1 removed: 11 replaced	Any size as long as the tree will reach a minimum of 4.5m upon maturity	\$350.00 per tree	At the discretion of the City Engineer, \$350.00 per tree	\$75.00 per tree for trees sized under 50cm dbh and \$100.00 per tree for trees sized over 50cm dbh up to a maximum of \$1,000.00	Forestry Staff	By-Law Officer	\$500.00 to \$100,000.00	\$200,000.00
Markham	20cm	Trees located on all private property located within the City that are sized at or over 20cm dbh, By-Law being re-written to allow developers to remove trees in a separate process, and going back to Council in March 2023	Replacement calculated through the Markham Aggregate Caliper Method: structure + health rating/2 x the dbh = number of trees required for replacement, can get trees through Backyard Tree Planting Program	\$300.00 per tree for residents, \$600.00 per tree for developers	A letter of undertaking is signed, security not taken for residential applications	May be collected if permit conditions not met	Application fee not taken for residential applicatoins, \$200.00 per tree for the first tree, \$100.00 for each additional tree to a maximum of \$5,000.00, \$200.00 for review of a Tree Management Plan for developers	Tree Preservation Technical Coordinator, Forestry Group in By-Laws	Municipal Law Enforcement Officer	\$500.00 to \$100,000.00	\$100,000.00 per occurrence
Mississauga	15cm	Trees located on all private property located within the City that are sized at or over 15cm dbh	One replacement tree is required for every 15cm of diameter of tree removed	6cm caliper deciduous 1.8m ht. coniferous	\$625.33 per tree	\$625.33 per tree	\$343.52 application fee plus \$124.14 per tree requested for removal	Community Services, Forestry Section, Arborist	By-Law Officer	\$500.00 to \$100,000.00	\$100,000.00 per occurrence

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NEWMARKET	20cm	A tree sized at or over 20cm dbh on private property, Heritage tree	Replacement for non-construction purposes is at a ratio of 1 tree replaced for 1 tree removed, other removals require replacement where the total size of tree trunks removed is replaced by the same amount of tree trunk diameter using the Aggregate Inch Method of trunk size calculation	6cm caliper	For non-construction purposes \$300.00 per tree for construction purposes \$450.00 per tree	Not collected for residential applications	Admin fees: \$100.00 for one tree, \$300 for 2-4 trees, \$1000.00 for 5-10 trees, \$5000.00 for 11 plus trees, plus \$100.00 review fee per tree	Forestry Supervisor	Enforcement Officer	\$400.00 to \$100,000.00	Unknown
NIAGARA-ON-THE-LAKE	12.5cm	Any tree on private property within the geographic limits of the urban areas of the Town as illustrated on the Schedule that is sized at or over 12.5cm dbh (defined as a 'Regulated Tree')	Replacement ratio to size of trunk removed; 12.5-24cm dbh = 1 removed: 2 replaced increasing by increments 1 replacement tree per additional 9cm dbh up to over 115cm dbh = 1 removed: 12 replaced	3cm caliper deciduous 1.5m ht. coniferous	\$250.00 per tree for individual owner \$500.00 per tree for corporate owner	\$500.00 per tree (cost of planting plus 2 years of maintenance)	\$50.00 first tree, \$25.00 each subsequent tree for individual owner, \$250.00 per tree for corporate owner	Tree By-Law Officer (Inspector/Arborist)	By-Law Officer	\$1,000.00 to \$100,000.00	Can exceed \$100,000.00
OAKVILLE	15cm	Trees on private property within the Town of Oakville sized at 15cm dbh or greater, heritage trees	One tree for every 10cm dbh of healthy tree removed	3cm caliper deciduous 1.5m ht. coniferous	\$300.00 per tree	\$300.00 per tree	\$50.00 first tree under 24cm dbh, \$350.00 for second tree and trees over 24cm dbh, \$740.00 for application under a development application	Tree Inspector	Municipal By-Law Officer	\$400.00 to \$100,000.00	Can exceed \$100,000.00
OTTAWA	10cm	Trees on private property in the urban area of the City of Ottawa sized at or over 10cm dbh on lands over 1ha in size, and for trees on lands under 1 ha sized at or over 10cm dbh subject to applications for Site Plan Control, Plan of Subdivision, Plan of Condominium, and Distinctive trees (trees on any size of private property that are sized at or over 30cm dbh in defined Inner Urban Area, and trees sized at or over 50cm dbh in defined Suburban Area)	Distinctive trees: 2 replacement trees for very one tree removed for trees sized between 30-49cm dbh in Inner areas, and 3 replacement trees for every one tree removed for trees sized over 50cm dbh in Inner and Suburban areas. Other trees on any size land have a 1:1 removal to replacement ratio. Trees to be removed under planning applications have a replacement requirement which is discretionary	5cm caliper deciduous 2m ht. coniferous	\$400.00 per tree	\$400.00 per tree, and discretionary	Under Development Application \$500.00 per tree up to \$2500.00 total, not under a Development Application \$150.00 per tree up to \$750.00 total	Forestry team	Municipal By-Law Officer	\$500.00 to \$100,000.00	Can exceed \$100,000.00
RICHMOND HILL	20cm	A tree in the Municipality sized at or over 20cm dbh	Replacement requirements vary per application	6cm diameter which will reach the same mature size and stature as the tree removed	\$547.00 per tree	Varies depending on the situation	\$160.00 for the first tree and \$56.00 for each additional tree, up to a maximum of \$440.00, the fee can be waived for owners living below the low income cut-off as determined by Statistics Canada,	Tree Preservation Landscape Planner	Tree Preservation By-Law Officer	\$300.00 to \$100,000.00 or over, capped at \$10,000.00 per day	Can exceed \$100,000.00
STRATFORD	30cm	A tree on private property within the City of Stratford that is sized at or over 30cm dbh	Replacement ratios are 1 replacement tree for every 1 tree removed for a tree sized at 30 to 50cm dbh, going up in increments of an additional one replacement tree for every 25cm of tree dbh removed up to 4 trees for replacement for one tree over 100cm dbh size	4.5cm caliper	\$400.00 per tree or appraisal value at discretion of Director	\$400.00 per tree	\$100.00 for less than 10 trees, \$250.00 for more than 10 trees	Director of Community Services or Designate, City-Appointed Arborist	Officer	\$500.00 to \$100,000.00	No

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Toronto	30cm	A tree on private property within the City of Toronto that is sized at or over 30cm dbh, plus trees in a ravine or natural protected area that is part of a private property	Tree removal for a non-construction issue will occur if the tree is in poor condition and the compensation ratio is 1:1, trees removed for construction-related issues require replacement numbers that vary and may be as much as 3 new trees for every one tree removed	5cm caliper deciduous 1.75 to 2.5m ht. coniferous	\$583.00 per tree	\$583.00 per tree or \$25.00 per sq.m. for naturalized areas for trees in Ravine-protected private areas	For non-construction-related applications the fee is \$126.24 up to \$377.67 per tree, for construction-related applications the fee is \$377.67 up to \$790.64 per tree, fees are higher if the tree is a 'Boundary-Neighbour' tree	Forestry Staff, Arborists	Officer, Arborist Inspector	\$500.00 to \$100,000.00	\$100,000.00 per occurrence
Vaughan	20cm	A tree on private property that is sized at or over 20cm dbh	Replacement ratios are 1 replacement tree for every 1 tree removed for a tree sized at 20 to 30cm dbh, going up in increments of an additional one replacement tree for every 10cm of tree dbh removed up to 4 trees for replacement for one tree over 50cm dbh size	6cm caliper deciduous 2m ht. coniferous	\$550.00 per tree	\$550.00 per tree	Processing fee is \$70.00 for residential application and \$115.00 for construction or infill application, per tree removal fee for trees sized over 20cm dbh is \$139.00 for residential applications and \$154.00 per tree for construction/infill applications	Director of Forestry, Forestry Inspector	By-Law Officer	\$250.00 to \$10,000.00	\$25,000.00 per tree

IMAGES OF TREES BY DIAMETER SIZE (DBH)

Measured at 1.4m off the ground

OPTION 1

Protecting:

70cm DBH
Eastern White Pine



OPTION 2

Protecting:

50cm DBH
Sugar Maple



Report # DS-2022-0076
Attachment 2
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50cm DBH
Eastern White Pine



30cm DBH
Eastern White Pine



OPTION 3 Protecting:

20cm DBH
Norway Maple



15cm DBH
Eastern White Pine



15cm DBH
American Elm

