



TREE AND PALM CALCULATIONS

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Equivalent Replacement Calculation, Tree (planting or dollar):

Please see attached Species Classification List for use in determining Classification of species.

Formula: species classification rating percentage x trunk diameter (dbh inches) x condition percentage = # of total caliper inches required to be planted .

- Class A species = 100%
- Class B species = 80%
- Class C species = 60%
- Class D species = 40%
- Class E species = 20%
- Class F species (exotic invasive)=0%

Example: 12” Jacaranda Tree with 56% condition rating. .80 x 12 x .56 = 6” caliper replacement required

✓Dollar replacement for non-specimen trees is an option once the site meets minimum landscape requirements.

This is calculated using the same formula above, except the # of total caliper inches is multiplied by \$65 per inch.

Using the same example above: 12” Jacaranda Tree with 56% condition rating. .80 x 12 x .56 = 6” then 6” x \$65 = \$390 to be deposited into the Tree Canopy Trust Fund.

Tree Relocation:

Tree relocation will, most times, require a surety bond to guarantee survival. This will require an ISA Arborist report and equivalent replacement calculations.

Equivalent Replacement Calculation, Palm (planting or dollar):

Equivalent replacements for palms are considered 1:1 with 8 feet clear trunk replacement, with the exception of Cocos, Roystonea spp. and Phoenix spp. (not roebellini) with 8 feet or more of clear trunk.

Example: 3 Alexander Palms with 15 feet of clear trunk each = 3 palms, any species, with minimum 8’ clear trunk required replacement.

✓Dollar replacement for palms other than Cocos, Roystonea, and Phoenix is calculated using the same formula above, except the total number of palms is multiplied but \$180 per palm.

Using the same example: 3 Alexander Palms with 15 feet of clear trunk each = 3 palms, then 3 x \$180 = \$540 to be deposited into the Tree Canopy Trust Fund.

Dollar Formula for Cocos, Royal Palm spp. and Phoenix Palm spp: feet of clear trunk x \$30.00.

Example: Royal Palm with 18’ ct. 18 x \$30 = \$540 to be deposited into Tree Canopy Trust Fund.

Specimen Tree Removal Calculation (dollars):

Specimen trees are trees 18” diameter and greater *and* 70% condition or greater.

Tree removal of a specimen tree requires a separate application for tree removal, an ISA Arborist report, and a separate payment into the Tree Canopy Trust Fund.

There are no other options for tree replacement with specimen tree removal.

The Specimen Tree Removal permit will not be issued until the mitigation payment has been made into the Tree Canopy Trust Fund.

The Tree Canopy Trust Fund payment is collected in person by landscape staff. Payment is by check only made out to City of Fort Lauderdale Tree Fund.

Please see attached calibration worksheet in determining the cross-sectional diameter of the tree (in^2)

Formula: cross-sectional diameter of the tree (in^2) x Species Classification dollar value:

- Class A value = \$25
- Class B value = \$20
- Class C value = \$15
- Class D value = \$10
- Class E value = \$5
- Class F value (invasive) = \$0.

Example: 26” Black Olive with 82% condition rating. Black Olive is a Class C tree, condition rating is not used in this calculation. So: $26 \times \pi r^2 = 530.93in^2$ And Class C value is \$15. So $530.93 \times 15 = \$7,963.95$ to be deposited into Tree Canopy Trust Fund.