

MEMORANDUM

Georgia Tech Tree Cycling Program

Overview

Georgia Tech has an established commitment to sustainability, the campus is recognized through the Tree Campus USA program and we are fortunate to have many trees which improve the campus environment on many levels. These trees represent a cultural and historical resource, this program is designed to keep those resources on campus when the trees come to the end of their lives. This not only diverts material from landfill but ensures, by processing them into lumber for use that, the trees continue to contribute to the beautification of campus.

Budgeting

When a tree is felled in association with a project that project should correspondingly budget and be responsible for the harvest and processing of lumber. Costs will vary according to the size of the tree, as of October 2018 an approximate budget number (based on the Boggs Waterproofing project) is \$4,000 per tree, to fell saw and dry the lumber. Sawyers cost approximately \$85-150 per hour and kiln drying is approximately 75 cents per inch board foot.

Inevitably individual trees may fall or may need to be felled due to failing health, as there is a premium to processing the lumber in these scenarios costs for processing lumber will be supported by the Tree Cycling Program account. Please coordinate expenditures on this account with the Budget Office.

Refer to Georgia Tech's Landscape Management plan for clarification of tree recompense fees. Detailed in section 6.2.2 Tree Replacement.

http://www.space.gatech.edu/sites/default/files/images/lmp_final_draft.pdf When felling trees in order to maintain canopy coverage felled trees should be replaced. The number of trees planted is determined by the size and condition of the felled tree. If trees are not replanted funding for replacement trees should be identified and transferred to the Tree Bank account managed by the Budget Office.

Criteria

Tree trunks and major limbs are primarily envisioned for processing. The minimum diameter should be 12" and the minimum length should be 8'-0".

Wood can be sawn into a variety of thicknesses 8/4. 8/4 is optimal as it can still be cut down in size but has a reasonable drying time. Note that kiln drying finishes the drying process only, board moisture content needs to be significantly reduced before entering the kiln to limit warping and warpage, boards may not be available for use for several years after initial processing. Larger boards will take longer to dry, a year per inch of thickness is advised so drying lumber for structural purposes may take several years. Boards

should be clearly labelled to identify tree species, both to track the wood but also as the dust from certain woods can be irritants for those working in fine detail.

As not all wood is suitable for processing into lumber, smaller limbs should be chipped, chipped wood should be delivered to the current mulch pile near the MARC Building (135) 801 Ferst Drive, N.W. the location can be accessed through the W21 parking lot. Coordinate with Georgia Tech Landscaping Services.

Vendors

While there are exception the majority of sawyers and dryers operate a tree to board operation, they will be reluctant to saw a tree they have not felled or dry boards they have not sawn. While not restrictive or limited the following are resources that may be contracted to provide tree to board services.

CAG Lumber

Stephen Brown
atd323@bellsouth.net
caglumber.com
4050 Old Cornelia Hwy.
Gainesville, Georgia 30507
770 869 3377

The Jack Ellis Company

yourfriend@thejackelliscompany.com
thejackelliscompany.com
2838 Washington Street
Avondale Estates, Georgia
404 626 3323

Acorn Tree Care (Urban Timber Rescue)

Clint Harris
acorntreecare@comcast.net
acorntreecare.com
7612 Nicholson Road
Cumming Georgia 30028
770 754 0806

Moore on the Outside

Larry Moore
info@mooreontheoutside.com
4779 Happy Valley Circle
Newnan, GA 30263
678 278 5709

Little River Milling and Artisan, LLC

Bob Barrett
littlerivermilling.com
bbarrett0360@gmail.com
45 Nicklaus Circle
Social Circle, Georgia
30025
678 763 2896

Companies able to respond in emergency situations with relationships to sawyers

Arbourguard

111 N Clarendon Ave Avondale Estates,
GA 30002
404 354 2638

Bartlett

3524 - A Lawrenceville Hwy
Tucker, GA 30084
770 496 9848

Sawyer who can partner with contractors (for simplicity of contracting)

Brock's Sawmill
brocksawmill@gmail.com
678 321 6598

Eutree
hello@eutree.com
905 Rockmart Road
Villa Rica, GA 30180
678 313 4110

End Use

Dried sawn lumber should be delivered to the Georgia Tech's storage facility (Building 163) located at 645 Northside Drive, N.W. Atlanta, Georgia 30332. Coordinate delivery with Georgia Tech Facilities Management. Lumber should be palletized, remain sticker stacked and be tagged. Documentation for the final amount of lumber delivered in order to maintain an inventory should be provided to Georgia Tech's Landscape Architect in the Facilities Design and Construction department.

Lumber may be used by Georgia Tech Schools and Facilities Management in projects that remain on campus for the benefit of the wider campus community. Wood cannot be used and processed for personal profit or gain.

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