

TREE MANAGEMENT

A Presentation to the Administrative Council

by

Darren Thomas

Director of Plant Operations

&

Justin Brooks

Assistant Director of Landscape Services

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Goal

To manage, preserve, improve, renew and protect the trees on the University's campus and maintain the campus's greenscape.

This goal will be accomplished by:

1. Arborist's Analysis
2. Adoption and Implementation of a Tree Management Plan
3. Creation of Campus Tree Committee
4. Funding

Tree Management Plan

1. Secure services of an expert
2. Develop a comprehensive plan
3. Create a committee to assist with the implementation of plan
4. Share information with campus

Proper Stewardship

Risks to University if Trees are not Managed:

1. Personal injury to individuals
2. Property damage – insurance claims
3. Roots causing heaving parking lots, sidewalks & foundation damage
4. Branches causing damage to roofs
5. Increased campus maintenance costs
6. Inability to obtain roof warranties

Arborist's Analysis

Bartlett Tree Experts:

I. Survey and Report

- a. 1,379 trees/ tagged & GPS located
- b. 108 trees for removal
- c. 51 trees for further evaluation
- d. 689 trees for pruning
- e. lightning protection
- f. 76% of trees are fully mature – gradual replanting needed
landscape renewal

Arborist's Analysis

2. Assessment Analysis

a. Count and Identification

b. Tree Maintenance

i. Pruning

ii. Fertilization

iii. Lightning protection

c. Tree Removal

i. Dead

ii. Diseased

iii. Dangerous

d. Replacement and Renewal

i. Identifying proper replacement species

Campus Tree Committee

Members

Darren Thomas – Director of Plant Operations

Justin Brooks – Assistant Director of Landscape Management

Harun Biswas – AVP of Facilities Management

Jere Boudell – Associate Professor – Biology

Dennis Brown – Student

Sam Dixon – Executive & Artistic Director, Spivey Hall

Valerie Lancaster – Executive Secretary to the President

John Shiffert – Director, University Relations

Our Values & Assets

- Maintain our Campus Greenscape
- Trees have been valued at \$8 million
- Bartlett Tree Experts recommend devoting 1 to 2% of value for tree management and replacement

Case Studies



Water Oak



Water Oak growing next to Arts & Science Building. Crown and limbs hang over roof, creating debris and maintenance issues. Building Operations does a monthly PM (Preventive Maintenance) on the roof but it only takes a mild wind or rain to drop the debris from the trees causing the drains to clog.

Pine trees that fell and damaged awning at Facilities loading dock



Damage from fallen pine on NBS roof



Debris on roof from over-hanging limbs can cause the drains to clog and allow water into the building depending on roof design. Roofs are cleaned on a monthly PM (Preventive Maintenance).





Oak next to Soccer field



Top of Oak dead. Could cause damage if tree was not removed.



Pine near Security Station



Trees can succumb to lightning damage and other environmental factors. Here at CSU we lose about 10 to 15 trees a year due to lightning damage.

Questions & Answers