# City of Tampa's Urban Forest Management Plan



Southern Group of State Foresters – Urban Forestry Winter Meeting



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### Brief History of Urban Forest Conservation in the City of Tampa

1946

Spare That Tree, City Shouts

By BILL BLALOCK Tribune Staff Writer

Tampa's new city ordinance to curb the chopping down of trues liming the streets is proving a becmerang against Park Superintendent Senborn who promoted it.

It apparently has aroused the desire of many Tampans to become woodsmen and hack down trees they never paid any sitention to before,

"It means," said Sanborn, "that it made many Tampans tree conscious. or its just another evidence of the way Americans kick against any kind of prohibition.\*\*

And some of them get their Irish up when the park department won't hounce out and whack down a tree they've decided must go.

#### Hundreds Complain

Hundreds have suddenly found that trees fronting their places are unsightly, or they are creating a nuisance by lifting the sidewalks, and should be removed.

Sanborn points to a growing pile of perintendent the authority to remove daily requests for paranission to chop trees or plantings from the parkways trees down, as they pour in from all if they are found to be not in keeping over the city. of any particular street or portion of

The ordinance says that trees or shrubbery cannot be planted or removed from the parkways along the

"That, however," said Sanborn, strepts without permission of the park "must be doulded by the park board, superintendent. It assumes no obliga- and not by me." tion on the part of the city to do the Thus, he explained, when people

chopping; or planting. Call for Axes

get an itch to remove trees on the grounds they are not beautiful, all "But a lot of people accm to think they can do is file for permission to jit's now the cliv's duty to cut the chop them down, ctrops down for them," Sanborn said. Sanborn then parses the request

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other way."

along to the park board, and if they

approve, the tree can be take- out.

As for sidewalks being cracked by tree roots, that can be handled by expert removal of the offending root. with no harm to the tree.

The ordinance against reckless tree chopping came about through aponsorship and backing given Sanborn by the Tampa Federation of Garden Clubs as a means of preserving any claims the city might have to beauty.

#### Cut Down Old Ones

Some fine old trees were being backed down, and on Davis Islands. a resident or two decided to replace the stately palms with oaks, which they did.

In Seminole Heights one day, Santrees to be out down is when they are at a giant old, shady oak with a saw. either dead or prove to be a hazard to They explained they were outting it



HEY LOOKIT, BOY HAVE | GOT FIREWOOD

We are getting plenty of demands

"However, the only time we permit

The ordinance gives the park su-

with the general beautification scheme

that we come out with our axes,

Brief History of Urban Forest Conservation in the City of Tampa – cont'd

**<u>1972</u>** – Planning Commission drafts the 1<sup>st</sup> Tree Preservation Ordinance

•Protected Trees on Public and Private Properties

•Created the City of Tampa, Tree Board

**<u>1984</u>** City of Tampa annexes 40 square miles of forest and agricultural lands which became New Tampa

Ordinance revised to address conservation of forested natural areas proposed for development including:

Canopy retention, Protection of Grand Trees, Wetland Buffers, Tree Protection Standards and Technical Manual Brief History of Urban Forest Conservation in the City of Tampa – cont'd

<u>**1998</u>** – 1<sup>st</sup> Urban Ecological Analysis/Urban Forest conducted by the University of South Florida (City Green)</u>

<u>2006</u> – 2<sup>nd</sup> Urban Ecological Analysis/Urban Forest was initiated by the City of Tampa, City Council (UFORE)

# **Project Rationale**

City Council directs city government to conduct an urban forest analysis every five years

- Specifically
  - % Canopy Cover (trees)
  - Assessment of Ecological Health
    - Tree Species Richness
    - Age/Size distribution
    - Urban Forest Condition
    - Non-native Species Status
  - Economic Benefits

City of Tampa Urban Ecological Analysis 2006-2007



# City of Tampa Urban Ecological Analysis 2006-2007

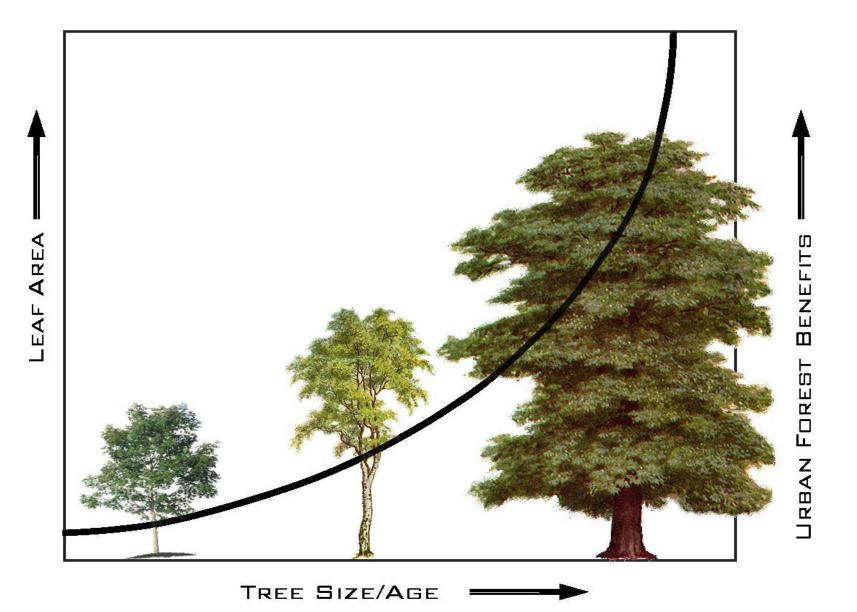






#### 2006 Urban Ecological Analysis

Feature	Measure		
Number of Trees	7,817,408		
Tree Cover	29%		
Top Tree Species	Brazilian pepper, cabbage palm, laurel oak		
Proportion of Trees < 6-inches DBH	84%		
Air Pollutant Removal	1,360 tons/year (\$6.3 million/year)		
Carbon Storage	511,141 tons (mkt. value)		
Gross Carbon Sequestration	46,525 tons/year (mkt. value)		
Compensatory Value	\$1,465,600,097		
Value of Energy Conservation	\$4,205,623		



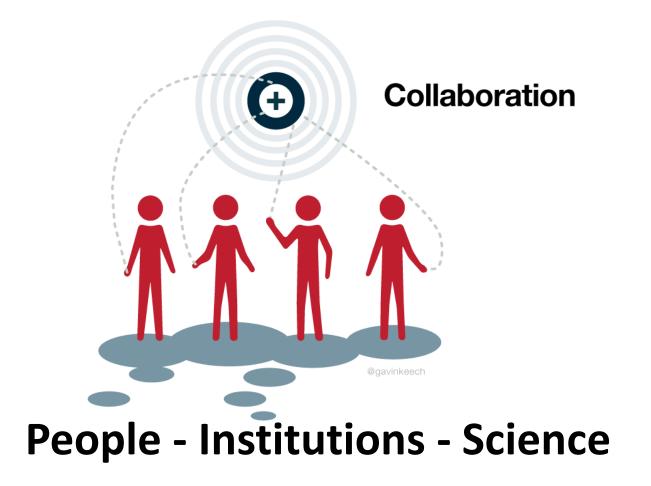
# Vision - the Steering Committee on Urban Forest Sustainability

Maintain and expand Tampa's urban forest in recognition of the many benefits it provides, including: enhancing quality of life for present and future citizens, attaining numerous economic and ecological benefits Nature provides, and seizing opportunities to better understand our natural environment through scientific research and public education.

# Goals Identified by the Steering Committee on Urban Forest Sustainability

- 1. Biodiversity / Habitat
- 2. Education / Research
- 3. Forest / Tree Maintenance
- 4. Public / Private Partnerships
- 5. Regulation / Incentives
- 6. Sustainability

Collaboration is necessary for long-term urban forest planning and management.





# **Guiding Principles Used by City of Tampa**

- derived from Vision Statement and Broad Goals

- 1. Government Efficiency
- 2. Economic Growth
- 3. Public Private Partnerships
- Increase the social, environmental and economic benefits of the urban forest by reducing costs
- 5. Support Communities
- 6. Support Basic Tenets of the City's Comprehensive Plan

# Criteria define essential elements against which urban forest sustainability can be judged.

Each criterion is defined by a key objective.

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<b>Criteria</b> ?	Key Dbjective P	
?		
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	objectives of the UFMP.?	

## **Performance Indicators**

Criteria: Species suitability for Tampa's climate zones Key Objective: Establish a tree population suitable for Tampa's urban environment and adapted to the regional environment.

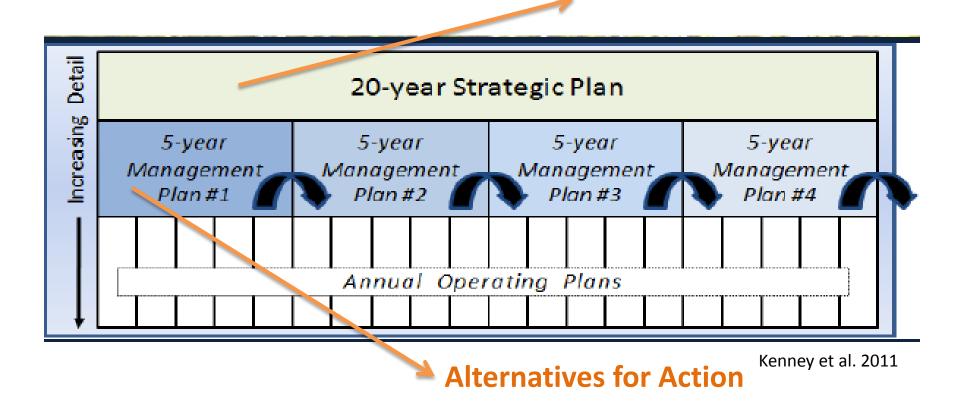
Performance Indicators ?				
Low	<b>Moderate</b> ?	Good	<b>Optimal</b> <sup>®</sup>	
LessIthan 50% Ibf 🛛	50%-75% <b>₯f</b> ₽	MoreIthan 75% ?	At deast 90% of P	
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#### **Alternatives for Action**

Specific actions, policies or programs (total of 178) expected to incrementally move the performance indicators to the next highest level.

- The complete set was reviewed and edited by all city departments.
- A set of <u>preferred</u> alternatives for action were chosen to guide the first 5-year planning horizon.
- The set of preferred actions and intended outcomes are to become part of the annual departmental operational plans and individual work plans.

#### **Criteria and Performance Indicators**



## 20-year Strategic Plan – broken into four 5-year Management Plans

**Adaptive Management** 

#### 1<sup>st</sup> Five Year Urban Forest Management Plan

#### **VEGETATION CRITERIA 1 –**

Species suitability for Tampa's climate zones

#### **KEY OBJECTIVE –**

Establish a tree population suitable for Tampa's urban environment and adapted to the regional environment.

#### Preferred Alternative for Action and Year to be Accomplished

1 – Prepare a Land Development Regulation (LDR) that requires the use of the City of Tampa Tree Matrix as a guidance document for all tree planting projects required through code or through use of public funds tree planting projects. PD, \$, MC

## **City of Tampa's Tree Matrix**

Scientific Name

**Plant Family** 

Mature Spread

**Growth Rate** 

**Drought Tolerance** 

**Root Salt Tolerance** 

**Flood Tolerance** 

**Distance from Paved Surface** 

Common Name Florida Native Mature Height Soil pH Salt Tolerance Wind Resistance Soil Area Req'd Street Tree Use

#### 1<sup>st</sup> Five Year Urban Forest Management Plan

# COMMUNITY CRITERIA 2 –

Neighborhood Cooperation

#### **KEY OBJECTIVE** –

At the neighborhood level, citizens understand and cooperate in urban forest management.

#### **Preferred Alternatives for Action and Year to be Accomplished**

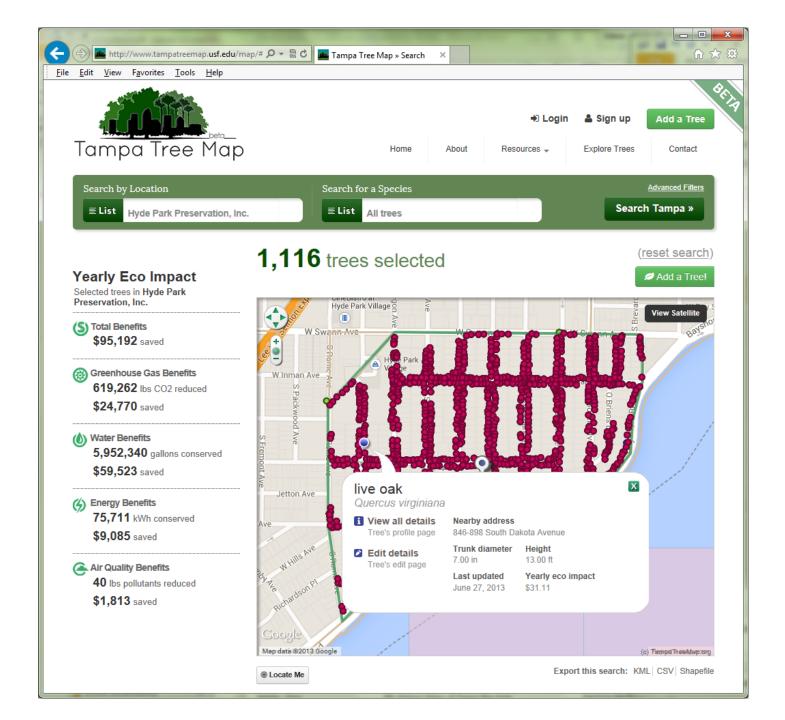
1 – Prepare and implement the Neighborhood Tree Stewardship program to educate residents on tree care and the urban forest. PD, \$, MC

1 - Prepare and maintain an interactive urban forest website for City of Tampa's residents. PD, \$, MC

## **Neighborhood Tree Steward Program**

Example of classes available:

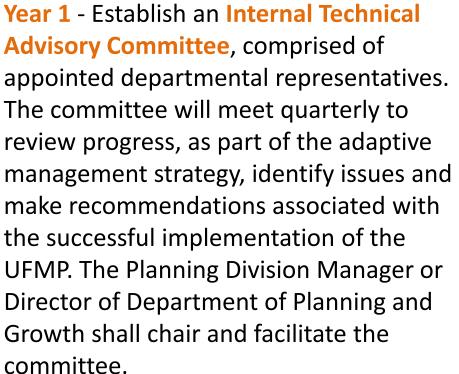
- 1. Planting site assessment
- 2. Tree selection
- 3. Tree planting
- 4. Pruning mature trees
- 5. Preventing damage to sidewalks, curbs and driveways
- 6. City of Tampa tree ordinances
- 7. Identifying opportunities for financial and technical assistance for neighborhood-wide tree programs



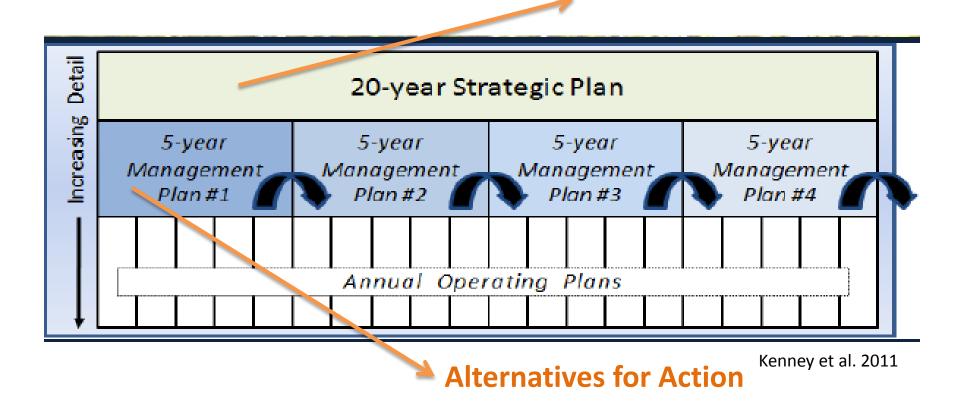
Year 1 - Create an Advisory Committee on Natural Resources, consisting of a balanced representation of the City's economic, environmental and social interests, to assist the Planning and Development Department on an annual basis in making recommendations as part of the adaptive management strategy for implementation of the UFMP



#### **Adaptive Management**



#### **Criteria and Performance Indicators**



## 20-year Strategic Plan – broken into four 5-year Management Plans

**Adaptive Management** 

Tampa's 5-year Cycle of Urban Forest Analysis Provides Critical Information for Assessing the Impact of the Urban Forest Management Program

