# Memorandum

MIAMI-DADE COUNTY

**Date:** March 3, 2009

Agenda Item No. 9(A)(7)

**To:** Honorable Chairman Dennis C. Moss
and Members, Board of County Commissioners

**From:** George M. Burgess
County Manager

**Subject:** Resolution Amending The "Adopt-A-Tree Program Canopy Restoration Plan"

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**Recommendation**
It is recommended that the Board of County Commissioners (Board) adopt the attached resolution amending the County's Adopt-a-Tree Canopy Restoration Plan adopted by the Board on February 13, 2001 via Resolution No. R-97-01. As a housekeeping measure, this amendment will transfer all responsibilities relating to the procurement of trees from Office of Capital Improvements (OCI) to the Department of Environmental Resource Management (DERM).

**Scope**
The Adopt-A-Tree program is countywide in scope.

**Fiscal Impact/Funding Source**
The Adopt-a-Tree Program is funded by a grant from the Florida Department of Agriculture and Consumer Services. The shifting of procurement responsibilities from OCI to DERM should have no fiscal impact on the County.

**Track Record/Monitor**
DERM is responsible for the management for the Adopt-a-Tree Canopy Restoration Plan

**Delegation of Authority**
There is no delegation of authority related to this item.

**Background**
The Adopt-a-Tree Program is funded by a $6 million grant from the Florida Department of Agriculture and Consumer Services for canopy restoration to provide citizens with trees in residential areas identified as having been most heavily impacted by citrus eradication efforts. On February 13, 2001, the Board approved a plan to carry out the program, detailing responsibilities for all of the partner agencies.

While DERM is responsible the coordination of the program, the original plan tasked OCI to be responsible for all activities relating to the procurement of trees and contract management of tree vendors, reviewing vendor invoices for payment, arranging for transportation and coordination and the development of advertising and awards of Requests for Proposals relating to the program.

The program has been functioning well in DERM. As a housekeeping measure, it is recommended that DERM assume all procurement responsibilities for the program to ensure that grant funds are used to the greatest extent possible in providing actual tree canopy replacement.

Assistant County Manager

# MEMORANDUM

**(Revised)**

**TO:** Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners

**DATE:** March 3, 2009

**FROM:** R. A. Cuevas, Jr. County Attorney

**SUBJECT:** Agenda Item No. 9(A)(7)

**Please note any items checked.**

_____ **"4-Day Rule" ("3-Day Rule" for committees) applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Bid waiver requiring County Mayor's written recommendation**

_____ **Ordinance creating a new board requires detailed County Manager's report for public hearing**

_____ **Housekeeping item (no policy decision required)**

_____ **No committee review**

Approved _____ Mayor

Veto _____

Override _____

Agenda Item No. 9(A)(7)

3-3-09

RESOLUTION NO. _____

RESOLUTION AMENDING THE "ADOPT-A-TREE PROGRAM CANOPY RESTORATION PLAN" APPROVED PURSUANT TO RESOLUTION NO. R-97-01

**WHEREAS,** this Board, by Resolution No. R-97-01, attached hereto as Exhibit A, adopted February 13, 2001, approved the Adopt-A-Tree Program Canopy Restoration Plan (the "Plan") in order to provide trees to citizens in areas affected by citrus canker eradication efforts; and

**WHEREAS,** the Department of Environmental Resources Management ("DERM") has the primary responsibility for managing the program; and

**WHEREAS,** the Plan calls for the Office of Capital Improvements ("OCI") to partner with DERM and be responsible for all of the activities relating to the procurement of trees; and

**WHEREAS,** it is in the best interest of the County to transfer procurement responsibilities from OCI to DERM in order to ensure that grant funds are used to the greatest extent possible in actual canopy replacement,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA,** that this Board desires to amend the Adopt-A-Tree Program Canopy Restoration Plan in order to transfer procurement responsibilities of trees for the Plan from OCI to DERM, as more accurately described in the accompanying memorandum, a copy of which is incorporated herein by reference.

The foregoing resolution was offered by Commissioner ,

who moved its adoption. The motion was seconded by Commissioner

and upon being put to a vote, the vote was as follows:

Dennis C. Moss, Chairman
Jose "Pepe" Diaz, Vice-Chairman

| | |
|---|---|
| Bruno A. Barreiro | Audrey M. Edmonson |
| Carlos A. Gimenez | Sally A. Heyman |
| Barbara J. Jordan | Joe A. Martinez |
| Dorrin D. Rolle | Natacha Seijas |
| Katy Sorenson | Rebeca Sosa |
| Sen. Javier D. Souto | |

The Chairperson thereupon declared the resolution duly passed and adopted this 3rd day of March, 2009. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By:_____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency. MR

Monica Rizo

EXHIBIT
A

# Miami-Dade Legislative Item
# File Number: 010233

Print this page

**File Number:** 010233 **File Type:** Resolution **Status:** Adopted
**Version:** 0 **Reference:** R-97-01 **Control:** County Commission
**File Name:** MIAMI-DADE COUNTY ADOPT-A-TREE CANOPY RESTORATION PLAN **Introduced:** 2/2/2001
**Requester:** Department of Environmental Resources Management **Cost:** **Final Action:** 2/13/2001
**Agenda Date:** 2/13/2001 **Agenda Item Number:** 4V

**Notes:**

**Title:** RESOLUTION APPROVING THE MIAMI-DADE COUNTY "ADOPT-A-TREE" CANOPY RESTORATION PLAN AND AUTHORIZING ITS SUBMITTAL TO THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

**Indexes:** ADOPT-A-TREE **Sponsors:** NONE
**Sunset Provision:** No **Effective Date:** **Expiration Date:**
**Registered Lobbyist:** None Listed

**LEGISLATIVE HISTORY**

| Acting Body | Date | Agenda Item | Action | Sent To | Due Date | Returned | Pass/Fail |
|---|---|---|---|---|---|---|---|
| Board of County Commissioners | 2/13/2001 | 4V | Adopted | | | | P |
| County Manager | 2/2/2001 | | Assigned | Pete Hernandez | 2/2/2001 | 2/2/2001 | |
| County Manager | 2/2/2001 | | Assigned | County Attorney | 2/13/2001 | | |
| **REPORT:** PUBLIC HEARING | | | | | | | |
| County Attorney | 2/2/2001 | | Assigned | Robert A. Duvall | | 2/2/2001 | |

**LEGISLATIVE TEXT**

## TITLE
RESOLUTION APPROVING THE MIAMI-DADE COUNTY "ADOPT-A-TREE" CANOPY RESTORATION PLAN AND AUTHORIZING ITS SUBMITTAL TO THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

## BODY
WHEREAS, a 1996 analysis by the non-profit organization American Forests, in partnership with Miami-Dade County, determined that the tree canopy cover in unincorporated Miami-Dade County averaged approximately 10% with some areas showing as little as 1-2% tree cover; and

WHEREAS, the average American city has tree canopy coverage in the vicinity of 20-25% with adequate coverage considered to be 25-40%; and

WHEREAS, as of October 31, 2000, approximately 545,000 citrus trees, over 80% of which were from residential properties, have been destroyed in Miami-Dade County as a result of the Florida Department of Agriculture and Consumer Service's (FDACS) citrus canker eradication program; and

WHEREAS, on December 22, 2000 FDACS proffered a $6 million grant agreement to Miami-Dade County to be utilized for county-wide canopy restoration activities; and

WHEREAS, on January 25, 2001, the Board, through Resolution No. R-29-01, ratified the County Manager's action in executing the subject grant agreement; and

WHEREAS, conditions of the grant agreement require that Miami-Dade County prepare a canopy restoration plan, that said plan be heard before a duly noticed public hearing and that said plan be submitted to FDACS for approval by February 28, 2001; and

WHEREAS, County staff, in collaboration with representatives from local municipalities and community based organizations has prepared the required canopy restoration plan in accordance with the requirements of the grant agreement; and

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board hereby approves the Miami-Dade County Adopt-a-Tree Canopy Restoration Plan, a copy of which is attached hereto and made a part hereof, and authorizes the submission of said plan to the Florida Department of Agriculture and Consumer Services.

## HEADER

TO: Honorable Chairperson and Members DATE:
Board of County Commissioners

SUBJECT: Resolution Approving the Miami-Dade
FROM: M. R. Stierheim County Adopt-a-Tree Canopy Restoration Plan
County Manager

## STAFF RECOMMENDATION

It is recommended that the Board approve the attached resolution approving the recently prepared Miami-Dade County Adopt-a-Tree Canopy Restoration Plan. The subject plan is a requirement of the $6 million grant agreement entered into between Miami-Dade County and the Florida Department of Agriculture and Consumer Services (FDACS), which was approved by the Board through Resolution No. R-29-01 on January 25, 2001.

## MANAGER'S BACKGROUND

As of October 31, 2000, Miami-Dade County has lost approximately 545,000 citrus trees, of which more than 80% were from residential properties, to the FDACS citrus canker eradication program. The eradication effort exacerbated an already poor tree canopy situation throughout the county. A 1996 analysis by the non-profit organization American Forests, in partnership with Miami-Dade County, determined that the tree canopy cover in unincorporated Miami-Dade County averaged approximately 10% with some areas showing as little as 1-2% tree cover throughout the County.

In August, 2000 the County began expressing concerns to FDACS over the canopy situation and sought assistance with identifying potential funding sources to start replacing tree canopy on a county-wide basis. The County proposed a $3.5 million state appropriation, which FDACS agreed to include in its FY 2001-02 budget request.

On December 22, 2000, FDACS informed county staff it had identified $6 million in funding that could be provided to Miami-Dade County for tree canopy restoration activities if the terms of a grant agreement could be worked out and executed by December 28th. Staff negotiated the agreement (Attachment A) and received the $6 million check on December 29th.

The primary component of the grant requires the County to submit a written plan to FDACS that includes, at a minimum:

* A list of appropriate tree species eligible for use in the plan
* An educational component addressing appropriate placement, proper planting procedure, and long term maintenance of the trees
* Information on the overall benefits provided by trees
* Commitment of all funds by June 30, 2002 and distribution of all trees by June 30, 2003
* Provisions to assist homeowners who are physically unable to plant trees
* Provisions to ensure that contracted nurseries are licensed and bonded by FDACS

Staff from my office, the Department of Environmental Resources Management (DERM), the Office of Capital Improvement Construction Coordination (CICC) and the Miami-Dade County Cooperative Extension Service (CES) put together the attached plan (Attachment B), titled the Miami-Dade County Adopt-a-Tree Canopy Restoration Plan, with input from representatives of local Community Based Organizations and Miami-Dade County municipalities. The plan must be submitted to FDACS no later than February 28, 2001.

Once the plan has been submitted, FDACS has 14 days to provide written approval or disapproval. In the event that the plan is not approved the grant calls for both parties to meet within 30 days of the disapproval to negotiate a revised plan. Any revisions to the plan will be brought back to the Board for approval.

The overall project goal of the Canopy Restoration Plan is to increase the residential tree canopy coverage (right-of-way planting is not part of the proposed plan) with particular emphasis in those areas of Miami-Dade County impacted by citrus canker eradication through the distribution of appropriate shade trees and by producing and providing a variety of educational opportunities to ensure proper siting, planting, and care of these trees. It must be noted, however, that since the value of the trees lost to citrus canker exceeds $240 million, the $6 million grant will not guarantee a one-for-one replacement program, however, it will serve as a significant first step toward the restoration of the urban tree canopy.

The County's approach will be to:

* Emphasize tree distribution in those areas most impacted by citrus canker eradication.
* Produce a list of appropriate tree species that will provide the tree canopy desired by the program.
* Educate the public on the significance of urban tree canopy in flood protection, erosion control, energy use, air quality and community aesthetics.
* Teach the public how to properly plant and care for trees.
* Coordinate with Miami-Dade County municipalities to implement program activities within their municipal boundaries.
* Implement a multilingual educational component addressing appropriate placement, planting procedure and long-term maintenance of the restored canopy. Additionally, the effort will continue to provide information on the overall benefits provided by trees to the citizenry.
* Partner with the Miami Dade County Cooperative Extension Service to implement tree distribution and educational activities. In the event that demand for trees is greater than available supply during a particular distribution event, a lottery system will be

implemented until the distribution is complete.
* Utilize plant material from local nurseries whenever possible.
* Reinforce and expand upon partnerships with local environmental, educational, and community groups.
* Seek additional matching funds to expand program efforts.
* Limit the administrative costs associated with the program.

The proposed plan is attached for your review and contains more detailed information on all of the aspects outlined above.

## OTHER

Adopt-a-Tree
A Tree Canopy Restoration Program for Miami-Dade County

Background

A 1996 analysis by the non-profit organization American Forests, in partnership with Miami-Dade County, determined that the tree canopy cover in unincorporated Miami-Dade County averaged only about 10% with some areas showing as little as 1-2% tree cover.

Adequate urban canopy coverage is considered to be in the vicinity of 25-40 percent. Miami-Dade County has suffered a loss of canopy through natural disasters and development. The citrus canker eradication program has impacted approximately 545,000 trees in Miami-Dade County, nearly 454,000 of which were residential trees, further reducing the canopy cover countywide. Since it is our intent to begin the process of re-growing our urban tree cover, the proposed program will focus on the planting and care of new trees in lieu of simple monetary compensation in order to better guarantee that funds will be used for reforestation.

The "Adopt-a-Tree" program is not intended to be a substitute for the citrus canker compensation program, but is a parallel effort desperately needed to begin repairing the unintended communal loss of tree canopy due to the citrus canker eradication program. Since the value of the trees lost to citrus canker exceeds $240 million, the $6 million grant does not guarantee a one-for-one replacement program, however, it is a significant first step toward the restoration of the urban tree canopy.

Trees provide significant benefits to communities, whether in an urban or rural setting. These benefits include: reducing electrical demand costs when properly located to shade buildings, trapping and storing rainfall, significantly reducing flooding risks, preventing erosion and stormwater runoff, improving air quality and the wildlife habitat value of urban areas, improving the livability and aesthetic value of urban communities, increasing property values, and (in the case of fruit trees) providing nutritional benefits.

Project Summary:

The project goal is to increase the residential tree canopy coverage (right-of-way planting will not be conducted with grant funds) in those areas of Miami-Dade County impacted by citrus canker eradication through the distribution of appropriate shade trees and by producing and providing a variety of educational opportunities to ensure proper siting, planting, and care of these trees. The plan does not contemplate planting trees on any public rights-of-way.

Our approach will be to:

* Emphasize tree distribution in those areas most impacted by citrus canker eradication.
* Produce a list of appropriate tree species that will provide the tree canopy desired by the program.
* Educate the public on the significance of urban tree canopy in flood protection, erosion control, energy use, air quality and community aesthetics.
* Teach the public how to properly plant and care for trees.
* Coordinate with Miami-Dade County municipalities to implement program activities within their municipal boundaries.
* Implement a multilingual educational component addressing appropriate placement, planting procedure and long-term maintenance of the restored canopy. Additionally, the effort will continue to provide information on the overall benefits provided by trees to the citizenry.
* Partner with the Miami Dade County Cooperative Extension Service to implement tree distribution and educational activities.
* Utilize plant material from local nurseries whenever possible.
* Reinforce and expand upon partnerships with local environmental, educational, and community groups.
* Seek additional matching funds to expand program efforts.
* Limit the administrative costs associated with the program.

PARTNERS

Florida Department of Agriculture and Consumer Services (FDACS)
Miami Dade County Capital Improvements Construction Coordination (CICC)
Miami-Dade County (County)
Miami Dade County Department of Environmental Resources Management (DERM)
Miami Dade County Cooperative Extension Service (CES)

TASKS

Grant Management

DERM will be responsible for the grant management. This includes reporting and tracking all of the activities associated with the grant and reporting them to FDACS. Additionally DERM will be responsible for maintaining a database with pertinent information relating to the program.

Procurement / Contract Management

The Office of Capital Improvements Construction Coordination (CICC) will be responsible for all of the activities relating to procurement of trees and contract management of tree vendors. Vendor solicitations for contract growing, reviewing vendor invoices for payment, arranging for transportation and coordinating the development, advertising and award of the Requests for Proposals (RFPs) relating to the program are illustrative of CICC activities.

Inspection of Product

Inspectors supervised by CICC will be utilized to conduct the inspection of the trees prior to the County taking possession of any stock. The inspections will include the verification of grades and standards, height, quantity and species.

Event Coordination

Miami-Dade County will provide trees to citizens, in residential areas identified as having been most heavily impacted by citrus canker eradication efforts. DERM will coordinate the tree adoption events. Related activities will include finding locations throughout the County to stage the events, planning event dates and times, and coordination of other event logistics. Additionally, DERM will emphasize the target areas based on canopy cover and degree of citrus canker impact, organize and recruit volunteers to staff events. The County Manager's Office and DERM will coordinate with municipalities to ensure that the program is countywide in scope.

Distribution

DERM and CES will coordinate the logistics at the "adoption" events and supervise the distribution of trees. In the event of greater demand than capacity, a lottery system, or other similar technique will be used for tree distribution at the events. Since the value and number of trees lost to the citrus canker eradication program far exceeds what can be provided by the $6 million grant, distribution prioritization and event logistics will be a significant concern. However, the primary long-term goal is to ensure the restoration of lost canopy. Additionally, DERM will work with community-based organizations to develop and implement tree planting programs for the elderly and persons with disabilities and determining eligibility.

Public Information & Education

DERM and CES will coordinate and develop public information and educational programs for the "Adopt-a-Tree" program. Activities to be incorporated into this program include; the deployment of a web site, the creation of educational materials on the proper placement, care, and maintenance of trees, as well as the "value" of trees in our community. Additionally, a marketing strategy will be developed and employed to ensure community awareness of the program, associated events, and opportunities to get involved in urban reforestation efforts.

Community Based Organizations Coordination

The DERM will seek qualified Community Based Organizations (CBOs) to provide assistance to program participants who are not physically able to plant their "adopted" tree. Additionally, the County will work with a number of CBOs to augment our efforts to provide information and educational opportunities to multicultural communities.

RESTORATION PLAN IMPLEMENTATION

The planting activities implemented with funding from the FDACS will ideally take place during the rainy seasons that fall within the contract period. This will increase the likelihood that the plants distributed through "Adopt-a-Tree" events take root and flourish.

Trees no greater than 3" caliper in size will be distributed during community "Adopt-a-Tree" events as described below. All trees will be Florida # 1 or better, according to the "Grades and Standards for Nursery Plants." Contract growing will likely become necessary because of the unique climate requirements of the shade tree species recommended in this restoration plan and the large volume of trees that will be needed for this program.

As part of the implementation of this program, funding will pay for a contract administrator to oversee the development and execution of contracts between the County and vendors for the acquisition of products and services needed to implement the program. The contract administrator will also aid in the auditing and inspection of vendors. Additionally, funding from FDACS will be utilized for activities relating to the "Adopt-a-Tree" events, which include acquisition distribution, storage, and contract growing of trees, as well as activities required to provide notification to local communities of upcoming events, and supplies related to the

conduct of these events. The County will provide Internet and database development and maintenance, data entry, technical staff, event logistics and staffing, as well as education and public information staff. This will ensure that grant funds are used to the greatest extent possible in actual canopy replacement.

DERM is the local environmental agency for Miami-Dade County, with jurisdiction extending into incorporated cities and towns. Therefore, it is the intention of Miami-Dade County DERM to address canopy restoration on a countywide basis and to actively seek input from our municipal governments on the conduct of this program. This effort fully intends to include interested Miami-Dade County municipalities in the canopy restoration plan, particularly in the City of Miami which has lost over 67,000 trees, and in the City of Hialeah which lost over 54,000 citrus trees to canker eradication.

In order to meet the Canopy Restoration Project's goal, the following multifaceted approach is proposed:

A. Provide "Adopt-a-Tree" events in targeted areas of Miami-Dade County

Miami-Dade County will purchase trees and will conduct tree "adoption" events to begin the reforestation effort. Multilingual literature on proper placement, planting and long-term maintenance techniques will be provided during events. Direct mail and other techniques for localized event notification will occur in zip code areas with the greatest canopy replacement needs resulting from the citrus canker eradication program, if this information is made available through FDACS. Trees will be provided to participants within each advertised zip code area. Trees will be distributed on a first-come basis, In those cases where the demand for trees is greater than the available supply of trees, distribution will be conducted by a lottery system or through another similar technique.

Since a large number of trees will be needed for this effort, the County may contract grow with nurseries to obtain the needed tree stock. Trees that qualify for inclusion in this program will have to qualify as Florida # 1 or better, according to the "Grades and Standards for Nursery Plants." Contracts with growers will incorporate provisions for storage, transportation and distribution of trees. The County will coordinate the date of "Adopt-a-Tree" events based on the availability of tree stock.

The first communities to host events will be those that have been heavily impacted by citrus canker eradication efforts. Residents identified by FDACS as being impacted by the citrus eradication program and within a given radius of the planned event will receive direct mail notification of the upcoming events, if that information is made available. The County will utilize records generated by FDACS to determine the mail out lists, however, since this is not a one-for-one replacement program, the lists will be utilized to inform citizens of the availability of trees in their neighborhood, not as a verification of loss. The notices will allow the County to directly notify those residents who lost trees according to the FDACS database.

"Adopt-a-Tree" event participants will be taught how and where to plant their new tree and how to care for it. Multilingual educational brochures about tree planting, and instructional hand-outs at the event and other educational materials including access to an "Adopt-a-Tree" program web page, educational video, and a tree planting hotline will be developed so that additional help is available to participants. The events will also feature demonstrations of proper tree placement to reduce the potential risk of interference with utility lines.

In order to maximize actual tree distribution the County will utilize existing events and work with municipalities, civic and homeowner associations, schools, churches, and other appropriate groups and organizations to produce local events, in addition to the events that will be staged by the County. The timing and the locations of the events will depend on the availability of appropriate tree stock and the availability and accessibility of locations suitable for such events.

B. Utilize local Community Based Organizations (CBOs) to assist with "Adopt-a-Tree" plantings for elderly and disabled.

This plan will strengthen and expand upon existing partnerships with community based organizations (CBOs) while promoting tree distribution activities and education in the under-served areas of the County. The CBOs will also assist the elderly and persons with disabilities who are not able to plant their own trees. The Little Haiti based community group "Operation Green Leaves" and the "Treemendous Miami" organization are examples of this plan's intended CBO partners . Additionally, organizations like the Boy Scouts and Girl Scouts of America, Habitat for Humanity, Citizens for a Better South Florida, Tropical Audubon Society, and Native Plant Society will also be invited to assist in the implementation of this plan. Requests from residents for assistance will be screened for eligibility and the names will be distributed to CBOs in the area. The CBOs will coordinate the logistics of the area planting activities and the volunteers to assist in the planting and report back to the County on the addresses on where trees were planted.

C. Educational Component

Some or all of the following educational methods will also be utilized to advise community members about the program and to help them plant the trees once they have been obtained:

* Live demonstrations of proper tree planting and pruning will be provided at tree adoption events
* Educate the public on proper tree placement with regard to overhead power lines.
* Multilingual materials

* Development of an educational program to be broadcast on cable television that will show proper methodology and considerations for planting a tree.
* Explore the use of Tree Tags to be placed on the trees that list basic planting tips, cable TV program information, and the phone number for a free service (SUNSHINE) that to identifies underground utility lines and wires that may be underneath the intended location for the tree.
* A telephone line with planting information and option to transfer to the Cooperative Extension office "Hotline" office to speak to or leave a message for a "tree planting expert."
* Flyers to be developed for distribution within the schools advertising the larger tree adoption events.

Conclusion

The intent of this program is to reverse the losses to tree canopy in Miami-Dade County. The funding level established is a good first step toward the restoration of our urban forest and, as planned, will focus the vast majority of available funds to that effort.

The scope and nature of this program will require a significant amount of flexibility and will likely grow and adapt as needed during the course of this program. Although the methodology described above has been proposed for the Canopy Restoration Plan, other tree distribution, educational, and event notification techniques may have to be employed to meet our reforestation goals.

Attachment A

List of Proposed Non-fruit Shade Trees for Canopy Restoration

Species Common Name

Bulnesia arborea Vera Wood

Cassia surattensis glaucous cassia

Coccoloba diversifolia Pigeon Plum
Coccoloba uvifera Sea Grape

Conocarpus erectus Green Buttonwood

Cordia boissieri White Geiger
Cordia sebestena Geiger tree
Exothea paniculata Inkwood

Ficus citrifolia Short Stalked Fig

Ilex cassine Dahoon Holly

Lagerstroemia speciosa Queensland Crape-Myrtle

Lonchocarpus violaceous Lancepod

Lysiloma bahamensis Wild Tamarind

Peltophorum pterocarpum Copperpod

Piscidia piscipula Jamaican Dogwood

Simarouba glauca Paradise Tree

Attachment B

List of Proposed Fruit Trees for Canopy Restoration

Species Common Name

Annona cherimoya X A. squamosa Atemoya

Annona squamosa sugar apple/ Anon

Artocarpus heterophyllus Jackfruit

Averrhoa carambola carambola

Calocarpum sapota Mamey sapote

Casimiroa edulis white sapote

Diospyros sp. persimmon

Euphoria longana (Dimocarpus longon) Longan

Litchi chinenisi lychee

Mangifera indica Mango

Manilkara zapota Sapodilla

Malpighia glabra Acerola

Morus rubra Red Mulberry

Myrciana cauliflora Jaboticaba

Persea americana Avocado

Tamarindus indica Tamarind

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