

RESOLUTION

2017-29748

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, INCORPORATING BEST MANAGEMENT PRACTICES FOR LANDSCAPING BY INCLUDING THE USE OF THE FLORIDA-FRIENDLY LANDSCAPING GUIDE TO PLANT SELECTION AND LANDSCAPE DESIGN WHEN REDEVELOPING CITY PARKS AND CITY-OWNED LAND.

WHEREAS, pursuant to Sections 125.568, 166.048, 373.185, and 373.228 of the Florida Statutes, local governments should consider the adoption of the principles and standards in the Florida-Friendly Landscaping Guide to Plant Selection and Landscape Design ("Florida-Friendly Landscaping"); and

WHEREAS, Section 373.62 of the Florida Statutes, that regulates the installation of rain sensor devices on automatic lawn sprinkler systems, follows Florida-Friendly Landscaping standards; and

WHEREAS, the Florida Watershed Restoration Act and the National Pollutant Discharge Elimination System (NPDES) municipal stormwater permitting program require local governments to reduce pollutant loads discharged from their stormwater management systems to better protect and restore surface and ground waters; and

WHEREAS, the City of Miami Beach ("City"), a world-renowned tourist destination, declares that it is in the interest of the public health, safety, and welfare of its residents and visitors to reduce litter and pollutants on the lands and in the waters of the City, and along its shores and famous beaches; and

WHEREAS, the City is comprised of a number of islands with approximately 70 miles of shoreline along numerous canals and waterways, the Atlantic Ocean, and Biscayne Bay Aquatic Preserve, all of which support a wide variety of flora and fauna; and

WHEREAS, protecting the City's watershed and keeping our waterways clean is critical to our local ecosystem, our residents, and our economy; and

WHEREAS, the City recognizes the need for the protection of water as a natural resource through the application of Florida-Friendly Landscaping practices; and

WHEREAS, Florida-Friendly Landscaping promotes the conservation of water by the use of site adapted plants and efficient watering methods which generally results in a long-term reduction of irrigation, fertilizer, and pesticide requirements, costs, energy, and maintenance; and

WHEREAS, Florida-Friendly Landscaping encourages a reduction of total energy expenditures for such items as water pumping and treatment, the manufacture and shipping of fertilizers, insecticide, and other gardening chemicals, the operation and maintenance of mowers, edgers, blowers, and other combustion based yard equipment, as well as labor; and

WHEREAS, community-wide Florida-Friendly Landscaping efforts are designed to save significant amounts of water to preserve local water supplies such that cumulative benefits may reduce or postpone the need for community potable water supply expansion; and

WHEREAS, it is the City's goal to reduce the risk to human health and the environment by minimizing the use of pesticides and using landscaping best management practices, emphasizing proven, effective, least-toxic, and non-toxic approaches and products in City practices; and

WHEREAS, the City seeks the reduction of the use of Restricted Use Pesticides for pest control through the incorporation of best management practices, including Florida-Friendly Landscaping standards, to be used by City employees and contractors working for the City when redeveloping City parks and City-owned land; and

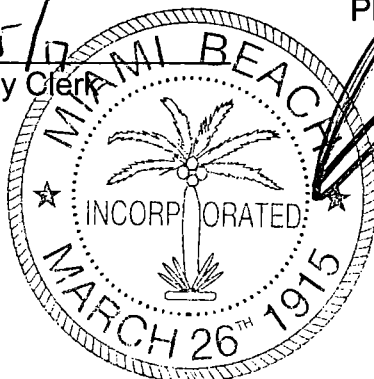
WHEREAS, this Resolution will preserve and enhance the health and environment of the City of Miami Beach.

NOW, THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, that the Mayor and City Commission hereby incorporate best management practices for landscaping by including the use of Florida-Friendly Landscaping when redeveloping City parks and City-owned land.

PASSED AND ADOPTED this 8 day of February, 2017.

ATTEST:

RA 2/15/17
Rafael E. Granado, City Clerk



Philip Levine, Mayor

APPROVED AS TO
FORM & LANGUAGE
& FOR EXECUTION

[Signature] 2/26/17
City Attorney Date

MIAMI BEACH

COMMISSION MEMORANDUM

TO: Honorable Mayor and Members of the City Commission
FROM: Jimmy L. Morales, City Manager
DATE: February 8, 2017

SUBJECT: A RESOLUTION OF THE MAYOR AND THE CITY COMMISSION OF MIAMI BEACH, FLORIDA, INCORPORATING BEST MANAGEMENT PRACTICES FOR LANDSCAPING BY INCLUDING THE USE OF THE FLORIDA-FRIENDLY LANDSCAPING GUIDE TO PLANT SELECTION AND LANDSCAPE DESIGN WHEN REDEVELOPING CITY PARKS AND CITY-OWNED LAND.

Legislative Tracking

Environment & Sustainability / Greenspace

ATTACHMENTS:

Description

- ▢ AttachmentA_Greenspace_Reso
- ▢ MEMO_Greenspace_final

MIAMI BEACH

City of Miami Beach, 1700 Convention Center Drive, Miami Beach, Florida 33139, www.miamibeachfl.gov

COMMISSION MEMORANDUM

TO: Mayor Philip Levine and Members of the City Commission

FROM: Jimmy L. Morales

DATE: February 8, 2017

SUBJECT: **A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, INCORPORATING BEST MANAGEMENT PRACTICES FOR LANDSCAPING BY INCLUDING THE USE OF THE FLORIDA-FRIENDLY LANDSCAPING GUIDE TO PLANT SELECTION AND LANDSCAPE DESIGN WHEN REDEVELOPING CITY PARKS AND CITY-OWNED LAND**

BACKGROUND

At the October 26, 2016 Sustainability and Resiliency Committee (SRC), the Committee passed a motion directing staff to work with the City Attorney's Office on drafting a resolution for approval by the City Commission directing City Departments to incorporate best practices into existing operations. This includes the use of Florida native species and Integrated Pest Management (IPM) when maintaining and redeveloping parks and City owned land.

At the January 18, 2017 SRC, the Committee referred the resolution to City Commission with a favorable recommendation to adopt the resolution.

ANALYSIS

The City of Miami Beach's Parks and Recreation Department, the Public Works Department - Greenspace Management Division, and their contractors currently use pesticides and fertilizers to maintain the landscaping in our parks, greenspaces and parking lots.

Parks and Recreation Department and Greenspace Management Division and their contractors currently follow the State of Florida's Green Industries Best Management Practices for pest control management, which uses Florida Friendly Landscaping (FFL) and IPM as its foundation. IPM emphasizes proper horticultural methods that reduce the need for pesticides and fertilizers. The Parks and Recreation Department and Greenspace Management Division follow FFL principles to conserve water, protect the environment, are appropriate for local conditions, and are drought, wind and/or salt tolerant. These practices also includes planting the right plant in the right place, efficiently watering, appropriate fertilization, mulching, attraction of wildlife, responsible management of yard pests (IPM), recycling yard waste, reduction of stormwater runoff, and waterfront protection. Additional components of FFL include planning and design, soil analysis, use of solid waste compost, practical use of turf, and proper maintenance.

At the request of the SRC, the Greenspace Management Division has developed in-house a resilient FFL project for City Hall that was presented to City Commission on January 11, 2017. The project was accepted by the City Commission and staff was directed to divert and identify funding. The Greenspace Management Division will be working with the Environment and Sustainability Department, UF/IFAS Extension Office, and the Miami Beach Botanical Garden to include an educational element and native plant identification. The goal of the project is to demonstrate and educate our residents, visitors and employees about how a resilient FFL can protect the environment through environmentally sustainable practices, using low-maintenance plants, conserving water and reducing fertilizers and pesticides use.

The proposed resolution provides landscaping guidelines, including the use of Florida Native Species and proper guidelines for redeveloping parks and City owned land. In addition to the proposed resolution, staff is updating landscape specifications used in the Public Works Manual and sustainable procurement specifications.

CONCLUSION

The following resolution is presented to the members of the Mayor and City Commission for discussion. Staff recommends adoption of the proposed resolution.

Attachment A: City of Miami Beach Florida-Friendly Landscaping Resolution

ECT/JR/RK/ESW/FCT