



(Exhibit 4)

VI. Conservation Element

Goals, Objectives, and Policies

Goal 1

To preserve and enhance the significant natural features in North Miami Beach.

Objective 1.1

To improve air quality and reduce human exposure to air pollution (particularly ozone and carbon monoxide) by assisting Miami-Dade County in continuing to meet or exceed EPA air quality standards.

Measure: Number of times air pollution, as measured by Miami-Dade County, exceeds NAAQ Standards.

Policy 1.1.1

Continue to require landscaping as a part of new private development and to landscape public areas in order to help cleanse the air.

Policy 1.1.2

Continue to urge the State Department of Transportation to undertake: planned street improvements in order to facilitate traffic flow; congestion management and air quality improvement programs, and; transportation demand management programs that affect the City.

Policy 1.1.3

Continue to urge the County to plan for public transit service along the Biscayne Boulevard corridor in order to reduce air polluting traffic congestion.

Policy 1.1.4

The City shall coordinate with the South Florida Regional Planning Council (SFRPC) in its efforts, as outlined in the Strategic Regional Policy Plan, to improve air quality by reducing transportation and electrical power generation related impacts and increasing green areas.

Policy 1.1.5

Discourage automobile travel through the implementation of activities and programs (i.e. density bonuses, park and ride, establishing a land use category for transit hub areas...) that encourage mixed-use development along major roadway corridors with mass-transit, and by ensuring that large developments that generate high-traffic volumes have mass-transit accessibility.



Policy 1.1.6

The City shall continue to coordinate with the South Florida Regional Planning Council's efforts to educate the public regarding air quality issues in accordance with the Strategic Regional Policy Plan.

Objective 1.2

Continue to pursue ~~drainage~~ practices and programs that protect potable water quality and quantity, minimize ground and surface water pollution, including pollution to the Biscayne ~~Aquifer and Floridian aquifer~~; experience no increase in the amount of properties, developments, or facilities polluting ground water or surface water as the result of non-implementation of such practices and programs. Measure: Number of properties developed or redeveloped without technical review insuring that proposed drainage at the site minimizes ground and surface water pollution.

Policy 1.2.1

Continue to make street drainage improvements City-wide.

Policy 1.2.2

Continue to review development plans in order to require on-site detention of stormwater runoff, particularly in the coastal zone.

Policy 1.2.3

Utilize the City's Water Conservation Program Plan dated ~~April 2008~~ August 2014, based on the SFWMD requirements and in support of the goals and objectives of the Lower East Coast Water Supply Plan to assist in guiding water resource management.

Policy 1.2.4

By 2015, review the City's procedures, as necessary, to assure adequate controls over hazardous wastes at existing developments, redevelopments, and new developments.

Policy 1.2.5

City building officials and code enforcement officers shall assist County officials in monitoring known cases of underground fuel tank leakage if they see evidence of such leakage during their inspection activities.

Policy 1.2.6

Pursue grants and investigate other funding mechanisms as may be appropriate and cost effective in order to acquire land such that surface waters and/or ground water quality is protected and enhanced.



Policy 1.2.7

The implementation of the 10-Year Water Supply Facilities Work Plan shall ensure that sufficient water supplies and public facilities are available to serve the water supply demands of North Miami Beach and the other cities and portions of Miami-Dade County within the water service area.

Policy 1.2.8

The City's Public Services Department shall hold an annual workshop during June of each calendar year with the government jurisdictions located within its water service area, Miami-Dade Water and Sewer Department, Miami-Dade County Department of Environmental Resources Management, and South Florida Water Management District. The workshop will focus on water supply needs, implementation of alternative water supply projects (including reuse and other conservation measures), and the establishment of level of service standards.

Policy 1.2.9

The City shall maximize the use of native plants in City landscaping projects and large redevelopment sites to provide and improve urban habitat and connectivity for native species.

Policy 1.2.10

The City should provide information to property owners about the environmental benefits of landscaping with drought-tolerant, native plants, and support their efforts to do so.

Policy 1.2.11

The City shall periodically inspect drainage outfalls as part of the National Pollution Discharge Elimination System (NPDES).

Policy 1.2.12

The City shall coordinate and cooperate with Miami-Dade County Department of Environmental Resource Management and state agencies on the enforcement of environmental regulations.

Policy 1.2.13

The City should provide available information to residents about the water quality pollution caused by run-off containing grass clippings, lawn fertilizers, and other similar pollutant materials.

Objective 1.3

Protect existing rare or threatened vegetative communities, natural ecosystems, listed animal species and their habitat, sensitive soils, and



estuarine communities against any further degradation. Achieve 0 net loss of the 2,000 lineal feet of natural shoreline bordering the estuary.

Measure: Number of naturally significant sites, including shoreline properties, degraded as the result of new development or redevelopment occurring without proper review to insure conservation of such lands.

Policy 1.3.1

Continue to review all development applications in the context of the native vegetative cover, pervious cover and landscaping provisions of the development code; be particularly diligent in the review of any coastal zone or wetland projects in order to protect mangrove areas. The latter are the most environmentally sensitive lands in the City.

Policy 1.3.2

Continue to require development projects in coastal and wetland areas to receive approval from Miami-Dade County's Shoreline Development Review Committee subsequent to plan approval from the City to assure inclusion of provisions that adequately protect rare or threatened native vegetative communities.

Policy 1.3.3

Monitor County and State park planning to assure that any park improvements are sensitive to the mangrove and other fish/vegetative/wildlife/estuarine habitats including threatened species. The County Planning Department should work in tandem with the City because of their jurisdiction elsewhere along the Oleta River vegetative basin.

Policy 1.3.4

Further landscape and extend the linear park along the Snake Creek Canal in an effort to assist wildlife and riverine habitat conservation, including the removal of invasive, nuisance vegetation.

Policy 1.3.5

Undertake the sanitary sewer extension and street drainage improvement projects pertaining to City owned facilities as detailed in the Infrastructure and Coastal Management Elements. See the latter for other policies relative to estuarine habitat conservation.

Policy 1.3.6

City police shall contact marine police if boat speeding is observed due to the impact on manatees and other threatened or endangered species. See also Policy 1.3.3.

Policy 1.3.7

Pursue grants and investigate other funding mechanisms as may be appropriate and cost effective in order to acquire natural areas for



protection, preservation, restoration, and enhancement, including as may be appropriate the removal of exotic vegetation, the restoration of native vegetative communities, the restoration of natural hydrology, the restoration of aquatic vegetation along the Oleta River, the Intracoastal Waterway, and the Snake Creek Canal, and other projects aimed at the protection and enhancement of shoreline ecosystems.

Policy 1.3.8

Enforce existing Land Development Regulations such as buffering and open space requirements in order to prevent activities and land uses adjacent to natural areas, recreation areas, and open space areas from having adverse effects on those areas.

Policy 1.3.9

Continue to increase the City's tree canopy through streetscape and free-tree programs, and within City parks and facilities.

Policy 1.3.10

The City shall periodically inspect drainage outfalls as part of the National Pollution Discharge Elimination System (NPDES).

Policy 1.3.11

The City shall coordinate and cooperate with Miami-Dade County Department of Environmental Resource Management on the enforcement of environmental regulations.

Policy 1.3.12

The City shall ensure that any activities of which it is aware that may negatively affect the survival of endangered and threatened wildlife will be brought to the attention of the appropriate agencies.

Objective 1.4

Continue to promote improved air quality in the City by utilizing lower emission vehicles for the municipal fleet and encouraging the use of hybrid and alternative fuel vehicles.

Measure: The City will maintain an economically feasible schedule for replacing the obsolete vehicles in three years, and shall follow the schedule, updating it on an annual basis.

Policy 1.4.1

The City shall investigate the economic feasibility of converting or retrofitting its fleet to lower emission vehicles, including hybrid and alternative fuel vehicles and diesel to biodiesel conversions, to promote better air quality. The City will investigate potential funding sources to implement Objective 1.4 and this policy, including federal and State programs.



Objective 1.5

Continue to protect trees and the tree canopy in the City through the use of the Zoning and Land Development Code and the enforcement of regulations in the code compliance process.

Measure: Establish a tree count database and determine the percentage of tree cover within the City. Evaluate the increase or decrease of native trees and prepare plans and implementation strategies to re-vegetate in case of tree decrease.

Policy 1.5.1

Establish land development regulations that protect the overall tree canopy in the City, and maintain records on tree removals and plantings to the extent feasible.

Policy 1.5.2

Continue to coordinate with the South Florida Regional Planning Council in order to increase public awareness of environmental issues in accordance with The Strategic Regional Policy Plan, and support programs regarding the maintenance and enhancement of the tree canopy and other native vegetative cover to maintain and improve air quality and natural habitat.

Policy 1.5.3

Continue to coordinate with the South Florida Regional Planning Council in its efforts to educate property owners about the environmental benefits of landscaping with native plants, in accordance with the Strategic Regional Policy Plan.

Policy 1.5.4

The City shall proactively remove exotic and invasive plants from all City-owned property.

Policy 1.5.5

In accordance with County Department of Environmental Resources Management requirements, certain exotic pest plants shall not be sold, propagated, or planted within the City. If existing on a site to be developed or redeveloped, they shall be removed prior to development. Certain other exotic plant species (which are documented by the Florida Exotic Pest Plant Council, the Miami- Dade County Park and Recreation Department's Natural Area's Management Program and the Miami- Dade County Department of Environmental Resources Management to be invasive pests in natural areas) may not be planted within 500 feet of the native plant communities that they are known to invade.



Policy 1.5.6

Continue to restrict activities known to adversely affect endangered and threatened wild life, and require mitigation measures for activities impacting native vegetative communities.

Objective 1.6

The City shall seek to reduce greenhouse gas emissions to the maximum extent feasible and conserve energy resources. In developing the [2012](#) [2018](#) Evaluation and Appraisal Report and associated amendments, the City shall establish and adopt a percentage goal for greenhouse gas reduction consistent with Miami-Dade County's greenhouse gas reduction goal. Measure: The number of specific programs initiated to reduce greenhouse gas emissions, percentage reduction of greenhouse gas emissions, acres of mixed use development as a percentage of total development, and the estimated reduction of vehicle miles travelled as a result of these efforts.

Policy 1.6.1

The City shall promote compact, mixed use development, defined as a mixture of residential and non-residential land uses in a design-unified, pedestrian friendly environment with multi-modal transportation connectivity to other areas, at appropriate locations. A major purpose of mixed-use development shall be to provide opportunities to live, work, shop and recreate in a walkable area, and to reduce automobile dependence and greenhouse gas emissions.

Policy 1.6.2

The City shall require low impact development techniques and green building standards that reduce the negative environmental impacts of development and redevelopment by: reducing building footprints to the maximum extent feasible, and locating building sites away from environmentally sensitive areas; promoting the preservation of natural resources; providing for on-site mitigation of impacts (i.e. retention and treatment of stormwater runoff, water reuse, Master Stormwater Management Systems); promoting energy conservation through design, landscaping and building techniques (i.e. solar power, increased tree canopies); promoting water conservation through landscaping and building design; ensuring environmentally friendly building practices (i.e. use of environmentally friendly building materials, recycled materials), and; considering the development and implementation of a green building certification program, with associated regulations, incentives and standards.



Policy 1.6.3

The City shall limit greenhouse gas emissions through the implementation of strategies to reduce the number of vehicle miles travelled. These strategies may include but not be limited to compact mixed use development that provides for a mixture of residential and non-residential land uses in a pedestrian friendly environment with multi-modal transportation connectivity to other areas; promoting the use of alternate transportation modes as specified herein, including mass transit, bicycles, and pedestrianism, and; requiring Transportation Demand Management Programs as a condition for development approvals.

Note

Objectives and Policies Not Applicable:

There are no freshwater beaches, marine habitats, commercially valuable minerals or active wellfields within the City, therefore, these items are not applicable. The City's cones of influence are several miles west of the City limits i.e. the County's protection responsibility.



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