a. Regional Treatment. System shall operate with rated capacity that is no less than two (2) percent above the maximum daily flow for preceding year.
b. User LOS, maintain capacity to produce and deliver 93.45 gallons/per capita/per day.
c. Water Quality. Meet all federal, state, and county primary potable water standards.
d. Countywide Storage. Storage capacity for finished water shall equal no less than 15 percent of countywide average daily demand.

Policy 11.1.2
Monitor and assess periodically, the planning, capital programming, and construction programs of WASD, as well as service complaints, to help ensure that Village residents, businesses, and other Village users are provided with potable water services in compliance with the adopted LOS standard.

Policy 11.1.3
Coordination of land uses and future land use changes with the availability of water supplies and water supply facilities.

Policy 11.1.4
All Village development order approvals must ensure that the Village's adopted potable water LOS standard will be maintained from planning through to construction and operation.

Policy 11.1.5
Revise potable water level of service standards for residential and nonresidential users.

The Village will continue to encourage the reduction of annual average per person demand pursuant to policies in the comprehensive plan as coordinated by MDWASD and the South Florida Water Management District.

3.4 Population and Potable Water Demand Projections for the Village

The South Florida Water Management District *2013 Lower East Coast Water Supply Plan Update* (LEC) details the projected potable water demand for MDWASD, which includes the Village of Palmetto Bay. 100% of Palmetto Bay's residents are serviced by the MDWASD. Since MDWASD provides water to a number of Miami-Dade County municipalities and most of the unincorporated area, the analysis of the Village's water needs is determined by the Village's percentage of the overall population of the MDWASD service area population (Table 2).

Table 2.
MDWASD – Palmetto Bay
Current and Projected Water Supply
(MDWASD) Water Use Permit No. 13-00017-W)

	ACTUAL	PROJECTED			
	2010	2015	2020	2025	2030
Population	23,829	24,440	24,848	25,357	25,866
Per Capita (gallons per day finished water)	93.45	93.45	93.45	93.45	93.45
	MGD	MGD	MGD	MGD	MGD
Potable Water Demands (daily average annual) – Village of Palmetto Bay	2.23	2.28	2.32	2.37	2.42

Notes
1. Population projections MDWASD Retail Customers
2. Per Capita data from Miami-Dade WASD 20-year Water Supply Facilities Work Plan (2014-2033)

3.5 Water Supply Distribution Provided by the Village of Palmetto Bay

MDWASD is a regional water and wastewater utility that furnishes potable water service to approximately 2.2 million inhabitants and tens of thousands of commercial establishments. The service area covers numerous municipalities and most of the unincorporated areas of Miami-Dade County. The Village of Palmetto Bay does not provide or distribute potable water to the Village's residents or businesses.

3.6 Water Supply Provided by Miami-Dade County WASD

As stated above, the MDWASD System supplies potable water to over 2.2 million persons, including residents and businesses within the Village of Palmetto Bay, and is an interconnected system of three subareas. Other water suppliers within Miami-Dade County include: North Miami Beach, North Miami, Homestead, and Florida City. Currently within the MDWASD Service Area there are 15 municipal wholesale customers.

The information contained in the Miami-Dade Comprehensive Development Master Plan Amendments adopted February 4, 2015 and the Miami-Dade WASD 20-year Water Supply Facilities Work Plan (2014-2033) Support Data (November 2014), the *2013 Lower East Coast Water Supply Plan Update* (LEC) approved by the South Florida Water Management District (SFWMD) on October 10, 2013 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference. Miami-Dade County's Water Use Permit Modification Application with the District (Application #14-627-12) was approved by the District on February 9, 2015. The County's Water Use Permit, Permit #13-00017-W will expire on February 9, 2035.

The following Miami-Dade County CDMP Policy supports the coordination with the SFWMD LEC Update:

WS-6D. In the development of its future potable water supplies, Miami-Dade County shall, to the maximum extent feasible, utilize methods which preserve the integrity of the Biscayne Aquifer, protect the quality of surface water and related ecosystems, consider and are compatible with the South Florida Water Management District's 2013 Lower East Coast Regional Water Supply Plan Update and the current Water Use Permit, and comply with the land use and environmental protection policies of the Miami-Dade County CDMP, the Strategic Regional Policy Plan for South Florida, and the State Comprehensive Plan.

3.7 Conservation

Water conservation is the key to maintaining the health and productivity of the Surficial Aquifer System. Promoting water conservation equipment, techniques, and practices will benefit customers economically and maintain a realistic water demand picture for utilities. Protection of the aquifer system and wellfields (Figure 3) through conservation and reuse, recharge enhancement, limitations on withdrawal, regulation of land use, and maintenance of minimum flows and levels will ensure the availability of an adequate water supply for all competing demands, maintain and enhance the functions of natural systems and preserve water quality.

The Village of Palmetto Bay works in coordination with MDWASD, SFWMD and state efforts aimed at promoting conservation through a variety of means including:

- The Village shall assist the County in its proposed water conservation program through plumbing requirements, and with Florida Friendly Landscaping materials, as described in Section 373.185, Florida Statutes, in medians and parks.

- The Village recently updated its Stormwater Master Plan and is currently implementing improvements as prioritized in the plan.

    - Use the Stormwater Master Plan process and prudent land development regulations to ensure that private development and public infrastructure projects maintain required surface water quality standards and serve to recharge the groundwater aquifer.

- Continue to support and monitor state, county, and South Florida Water Management District efforts to protect, conserve, and manage the quality and quantity of natural groundwater resources.

3.7.1 County-wide Efforts

Section 4.5 Water Conservation and Reuse of the Miami-Dade WASD 20-year Water Supply Facilities Work Plan (2014-2033) Support Data (November 2014) outlines additional MDWASD efforts (pages 4-6 and 7).

Presently, water utilities are saving substantial amounts of water through strategic water-efficiency programs and Best Management Practices (BMP) included in their Water Use Efficiency Plan. The savings from water conservation often translate into more potable water available for residential and non-residential use, capital and operating savings, which allow systems to defer or avoid significant expenditures for water supply facilities and wastewater facilities.

The Village of Palmetto Bay continues to remain in full support of the water conservation initiatives adopted by the SFWMD and Miami-Dade County.

While the Village is not responsible for the Comprehensive Everglades Restoration Project, it is supportive of the regional water conservation efforts related to this regional rehydration of the Florida Everglades. The Village is also supportive of mandating yard water restrictions that have been directed by the South Florida Regional Water Management District. There are no water conservation projects identified in the Village's Capital Improvement Plan (2015-2016).

The Village will continue to coordinate future water conservation efforts with WASD and SFWMD to ensure that proper techniques are applied. In addition, the Village will continue to support and expand existing goals, objectives and policies in the Comprehensive Plan that promote water conservation in a cost-effective and environmentally sensitive manner. The Village will continue to actively support SFWMD and Miami-Dade County in the implementation of new regulations or programs that are designed to conserve water.

For the past years, the State of Florida is leading the nation in water reuse. The water reuse effort in the state is primarily led by utilities, local governments, the water management districts and state agencies. The intent of their efforts is to implement water reuse programs that increase the volume of reclaimed water used and promotes public acceptance of reclaimed water. The Village of Palmetto Bay is in full support of the water reuse initiatives under consideration by both the SFWMD and Miami-Dade County. The County has committed to implement a total of 170 MGD of water reuse as noted in the County's 20-year water use permit.

3.7.2 Village Specific Actions, Programs, Regulations, or Opportunities

The Village will coordinate future water conservation and reuse efforts with MDWASD and the SFWMD to ensure that proper techniques are applied. In addition, the Village will continue to support and expand existing goals, objectives and policies in the Comprehensive Plan that promote water conservation and reuse in a cost-effective and environmentally sensitive manner. The Village will continue to actively support the SFWMD and MDWASD in the implementation of new regulations or programs that are design to conserve water during the dry season. Finally, the Village will administer its own water conservation practices.

In recognition of the need for immediate, coordinated and visionary action to address the impacts of a changing climate and provide for economic and environmental resilience in Southeast Florida, in 2010 the counties of Palm Beach, Broward, Miami-Dade and Monroe (Compact Partners) entered into the Southeast Florida Regional Climate Change Compact (Compact).

The Village has adopted a Stormwater Master Plan which provides for policies and actions regarding groundwater and recharge. As part of this plan, the Village includes Stormwater Capital Improvements Projects as part of its annually updated Capital Improvements Program/Capital Improvements Element.

3.7.3 MDWASD Specific Regulations

MDWASD, and therefore the Village of Palmetto Bay, implement water conservation through the following Ordinances:

20-4.5 - Landscaping and tree protection requirements for all zoning districts.
(F) Landscape Plans Review Criteria
In order to conserve water, reduce maintenance, and promote plant health, plant species shall be selected and installed based on their water needs, growth rate and size, and resource inputs. Plants with similar water needs shall be grouped in hydrozones. Adequate growth area, based on natural mature shape and size shall be provided for all plant materials.

20-4.6 - Environmental review standards.
The following standards shall be utilized by the environmental review and preservation board in their review and evaluation of all site and landscape plans as required by this Code.
(A) Natural Environment.
(1) Proposed development shall be designed in such a manner so as to preserve and protect existing environmentally-sensitive lands and natural resources, such as and including soils, ground water, surface water, shorelines, vegetative communities, fisheries and wildlife habitats.

4.0 INTERGOVERNMENTAL COORDINATION

The provision of water supply needs in the Village of Palmetto Bay is achieved in coordination with local, county, and regional partners including Miami-Dade County WASD and South Florida Water Management District. MDWASD is the Village's primary water partner as they provide the Village its water service utilities. MDWASD ensures that water supply services are provided to the majority of residents of Miami-Dade County in the most efficient and effective manner. SFWMD acts to protect the region's water supply resources and coordinates the implementation of state water regulations and policies through local water planning efforts and water supply services.

5.0 CAPITAL IMPROVEMENTS

The information contained in the Village's FY 2015-2016 adopted budget, including Capital Improvement Plan, adopted September 21, 2015; the Miami-Dade County Comprehensive Development Master Plan Amendments adopted February 4, 2015 and the Miami-Dade WASD 20-year Water Supply Facilities Work Plan (2014-2033) Support Data (November 2014), the *2013 Lower East Coast Water Supply Plan Update* (LEC) approved by the South Florida Water Management District (SFWMD) on October 10, 2013 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference.

6.0 GOALS, OBJECTIVES AND POLICIES

The following lists the Goals, Objectives and Policies are included in the Village's adopted Comprehensive Plan (2015 Update) to ensure consistency between the elements in the Growth Management Plan and the Water Supply Facilities Work Plan.

1.0 Future Land Use Element

Objective 1.2 Land Development Code
Maintain, and revise as necessary, an effective Land Development Code (LDC), which clearly implements the goal, objectives, and policies of this Element, and the adopted Comprehensive Plan as a whole, and regulate development quality and impacts.

Policy 1.2.8
Preserve existing water-dependent and water-related uses within the Village's and establish standards within the Land Development Code for siting future water-dependent and water-related uses that address land use compatibility, availability of upland support services, existing protective status or ownership, hurricane contingency planning, protection of water quality, water depth, environmental disruptions, mitigation actions, availability for public use, economic need, and feasibility.

Objective 1.3 Public Facility Levels-of-Service
Make sure suitable land is available for roads and infrastructure needed to support proposed development and redevelopment, and the expansion of necessary public facility capacity and service concurrent with the impacts of development.

Policy 1.3.5
Work with Miami-Dade County and the South Florida Water Management District to implement the County's and Region's Water Supply Plan in conjunction with the implementation of the Village's Water Supply Element, by adoption of the latest version of the Miami-Dade County Water Supply Facilities Work Plan, revised November 2014.

Objective 1.5 Environmental Resources and Natural Systems Protection and enhancement, to the maximum extent possible, of all environmentally important natural systems and historical resources existing in the Village.

Policy 1.5.1
Ensure that the LDC incorporates all relevant wetland, coastal and native upland protection requirements from the Miami-Dade County Department of Regulatory and Economic Resources, South Florida Water Management District, and the Florida Department of Environmental Protection, and that the applicable permitting requirements of these agencies are met for all development applications in the Village.

Policy 1.5.5
Retain and strengthen regulations protecting surface water, groundwater and air quality by implementing the standards for these resources establish by applicable regional, state, and federal environmental agencies.

Policy 1.5.6
Potable Water. No development orders shall be issued unless it can be determined that adequate potable water supplies and facilities are available.

Policy 1.5.7
Concurrency relating water supply shall be completed prior to the anticipated date of issuance of a certificate of occupancy in compliance with Policy 11.5.8. The Village shall consult with Miami-Dade County to determine that water supplies will be available at the time the certificate of occupancy is issued.

Objective 1.7 Street Tree Master Plan
Maintain the Street Tree Master Plan to create an attractive street environment that will complement private and public properties, create beauty within the public right-of-way, and be comfortable and create street canopy for energy efficiency for residents and visitors.

Policy 1.7.13
Increase green space within the rights-of-way to support tree growth and ensure proper swale areas for water percolation and ground water runoff purposes.

4.0 Infrastructure Element

(A) Potable Water Sub-Element

Goal 4A
A quality, dependable potable water supply sufficient to meet the existing and future needs of Village residents and businesses on a timely basis, at a reasonable cost and in compliance with utility regulatory standards.

Objective 4A.1 Potable Water Level of Service
Coordinate effectively with the Village's water service provider, Miami-Dade County Water and Sewer Department (WASD) to ensure that potable water service to the Village will meet or exceed the adopted level-of-service (LOS) standard throughout the planning period.

Policy 4A.1.1
The adopted level of service standard adopted by the Miami-Dade Water and Sewer Department (WASD) for potable water service within the Village of Palmetto Bay is:

a. The Regional Treatment: System shall operate with rated maximum daily capacity no less than 2% above the maximum daily flow for the preceding year, and an average daily capacity 2% above the average daily system demand for the preceding five years. The maximum daily flow shall be determined by calculating the average of the highest five single day flows for the previous 12 months.

b. Water shall be delivered to users at a pressure no less than 20 pounds per square inch (psi) and no greater than 100 psi. Unless otherwise approved by the Miami-Dade Fire Rescue Department, minimum fire flows based on the land use served shall be maintained as follows:

Land Use	Min. Fire Flow (gpm)
Single Family Residential Estate	500
Single Family and Duplex; Residential on Minimum lots of 7,500 sf	750
Multi-Family Residential; Semiprofessional Offices	1,500
Hospitals; Schools	2,000
Business and Industry	3,000

c. Water Quality: Meet all federal, state, and county primary potable water standards.

d. Countywide Storage: Storage capacity for finished water shall equal no less than 15% of countywide average daily demand.

Policy 4A.1.2
Monitor, and assess periodically, the planning, capital programming, and construction programs of the Miami-Dade County WASD, as well as service complaints, to help

ensure that Village residents, businesses and other Village users are provided with potable water services in compliance with the adopted LOS standard.

Policy 4A.1.3
All Village development order approvals must ensure that the Village's adopted potable water LOS standard will be maintained from planning through constructions and operation.

Objective 4A.2 Existing Water Facilities and Efficient Expansion
Coordinate with the Miami-Dade WASD to help ensure cost-efficient use of existing facilities and coordinate prudent future expansion plans consistent with projected needs to accommodate development at the densities and intensities proscribed in the Future Land Use Element.

Policy 4A.2.1
Encourage future development and redevelopment in areas that are already served, or programmed to be served, by Miami-Dade County WADS potable water facilities.

Policy 4A.2.2
Coordinate with the Miami-Dade County Water and Sewer Department (WASD) to provide potable water service to those areas within municipal limits that are currently dependent upon private wells to satisfy potable water needs, including those areas that may be subject to salt water intrusion as a priority and those areas indicated in Map 4-5 of the Infrastructure Element Data, Inventory, and Analysis Report

Policy 4A.2.3
Coordinate Village population projections, commercial growth, land use changes, and development approvals with the Miami-Dade County WASD to assist that agency in effectively planning Palmetto Bay's future potable water needs.

Policy 4A.2.4
Include the review and comment of the Miami-Dade County Water and Sewer Department (WASD) in the development review process for Village Plan amendments, rezoning's, site plan, and plat approvals to help ensure the cost-efficient use of existing County water facilities and extension of new water service.

Policy 4A.2.5 Reserved.

Objective 4A.3 Water Conservation
Actively encourage and help all residents in Palmetto Bay to conserve potable and non-potable water to the maximum extent possible.

Policy 4A.3.1
Village Hall shall serve as a central distribution point for South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDEP) and Miami-Dade County Water and Sewer Department (WASD) news releases,

brochures, and public presentations on ways for homeowners, businesses, and industry to conserve all forms of water resources.

Policy 4A.3.2
The Village's Land Development Code (LDC) shall contain regulations requiring the use of all feasible water-saving devises in new and renovation building construction.

Policy 4A.3.3
The Village will encourage the use of Florida Friendly Landscape guidelines and principals gutter downspouts, roof runoff, and rain harvesting through the use of rain barrels and directing runoff to landscaped areas, drip irrigation or micro-sprinklers, and the use of porous surface materials (bricks, gravel, turf block, mulch, pervious concrete, etc.) on walkways, driveways and patios.

Policy 4A.3.4
Do everything possible to encourage homeowners and businesses in the Village of Palmetto Bay to use non-potable and/or reuse water for landscaping and lawn care.

Policy 4A.3.5
Coordinate with the Miami-Dade County Water and Sewer Department (WASD) to install treated re-used (grey) water lines in Village of Palmetto Bay for use on rights-of way and other appropriate landscaped areas within the Village limits. MDWASD does not have any planned re-use projects within the Village of Palmetto Bay.

Policy 4A.3.6
Cooperate fully with emergency water conservation measures mandated by the South Florida Water Management District (SFWMD).

Policy 4A.3.7
All future development will be required to comply with water use efficiency techniques for indoor water use in accordance with Section 8-31, 31-84 and 8A-381 of the Code of Miami-Dade County. The Village will require the use of high efficiency toilets, showerheads, faucets, clothes washers and dishwashers that are Energy Star rate and WaterSense certified in all new and retrofitted residential and commercial projects, as required by the Miami-Dade County Water Use Efficiency Standards Ordinance 08-100 (Effective Date January 1, 2009) and Manual and adopt an ordinance to effectuate the same by January 1, 2017.

Policy 4A.3.8
All future development will be required to comply with the landscape standards in sections 18-A and 18-B of Miami-Dade County Code.

Policy 4A.3.9
All permit applications for multifamily residential developments shall be required to include a sub-meter for each individual dwelling, per Section 8A-381(c) of the Miami-Dade County Code.

(B). Sanitary Sewer Sub Element

Goal 4B
Environmentally-sound and cost effective wastewater treatment and distribution facilities that protect public health and safety and meet the village's current and future needs.

Objective 4B.3 Treated Wastewater Re-Use
Coordinate with the Miami-Dade County Water and Sewer Department (WASD) to promote reuse of treated wastewater and other by-products for public open space and golf course irrigation, fertilization, and aquifer recharge.

Policy 4B.3.1
Coordinate with the Miami-Dade County Water and Sewer Department (WASD) to install treated re-used (grey) water lines in Village of Palmetto Bay for use on rights-of way and other appropriate landscaped areas within the municipal limits. MDWASD does not have any planned re-use projects within the Village of Palmetto Bay.

Policy 4B.3.3
Require developers seeking development approvals to fully investigate and use, if viable, grey water in project open space and recreating irrigation.

(C) Stormwater Management (Drainage) Sub-Element

Goal 4C
Protect the health and safety of the public by ensuring storm water management facilities and services are properly maintained, environmentally-sound, cost-effective, and meet the community's present and future demands.

Objective 4C.3 Recharge Groundwater and Water Quality
Use the Stormwater Master Plan process and prudent land development regulations to ensure that private development and public infrastructure projects maintain required surface water quality standards and serve to recharge the groundwater aquifer.

Policy 4C.3.1
A primary objective of the Stormwater Master Plan is protection of surface water quality through Land Development Code (LDC) requirements that mandate acceptable pacing and drainage plans, adequate open (pervious) space areas, and Stormwater detention and retention in private development projects.

Policy 4C.3.2
Review the Land Development Code (LDC) on a regular basis to ensure that all feasible options are being utilized to protect water quality and enhance groundwater recharge.

(E) Natural Groundwater Aquifer Recharge Sub-Element

Goal 4E
Continue to support and monitor state, county, and South Florida Water Management District efforts to protect, conserve, and manage the quality and quantity of natural groundwater resources.

Objective 4E.1 Recharge Deficiencies
In coordination with state, regional, and county water management agencies, correct any documented recharge deficiencies identified in Village of Palmetto Bay by the Stormwater Master Plan and outside agencies.

Policy 4E.1.1
As part of the Stormwater Master Plan process, identify groundwater recharge deficiencies, if any, in the Village.

Policy 4E.1.2
Maintain and enhance, where appropriate, the capacity and period of natural surface water drainage and recharge.

Objective 4E.2 Recharge Areas
Assist State, Regional, and County efforts, where appropriate, in protecting the functions of natural groundwater recharge areas and natural drainage features in Village of Palmetto Bay.

Policy 4E.2.1
Continue to enforce the Village's on-site water retention and pervious open space standards for new development and redevelopment projects.

Policy 4E.2.2
All Development projects shall use retention, infiltration, and detention systems as required by the Village Code, and applicable State and Regional Standards.

5.0 Coastal Management

Goal 5
Plan for, encourage, and manage development and redevelopment activities within the coastal high hazard area (CHHA) to maximize aesthetic, environmental, recreational, and economic values of coastal areas of the village, while taking measures to protect the village's natural resources and to protect human life and public and private property from harm by natural disasters.

Objective 5.1 Protection of Coastal Resources
Protect and conserve remaining coastal wetlands, living marine resources, and wildlife habitats as evident within the coastal area of Palmetto Bay.

Policy 5.1.1
The Village will limit the specific and cumulative impacts of development and redevelopment upon identified wetlands, water quality, water quantity, wildlife habitat, and living marine resources through the development review process.

Policy 5.1.8
The Village of Palmetto Bay will take into consideration the results from long-term monitoring of water quality, benthic habitats, and living resources performed by the Miami-Dade County Department of Regulatory and Economic Resources and the South Florida Water Management District (SFWMD) to be consistent Florida Water Policy (Chapter 62-40.432, F.A.C) and State water quality regulations (Chapter 62-43.430, F.A.C) to improve future coastal restoration and enhancement activities coordinated by the Village.

Policy 5.1.11
The Village will continue to coordinate with the US Department of Environmental Protection, US Army Corp of Engineers, South Florida Water Management District, and Miami-Dade County Department of Environmental Resource Management to ensure that all regulatory programs administered through each of these agencies is integrated, as applicable, into the Village of Palmetto Bay Land Development Code.

6.0 Conservation Element

Goal 6
Protect and enhance the environmental resources of Palmetto Bay to ensure continued resource availability and environmental quality through prudent management, public education, appropriate regulations and enforcement, and active partnerships with governmental and environmental entities.

Objective 6.2 Potable Water Conservation
Increase potable water conservation in order to better meet present and projected needs of all consumers and reduce demands on water service in compliance with the Water Supply Element.

Policy 6.2.1
By January 2017, updates to the Land Development Regulations, should be made to comply with the policies of the South Florida Water Management District (SFWMD) to conserve the potable water supply and protect the Village from saltwater intrusion, including groundwater recharge, water-saving devices and xeriscape concepts.

Policy 6.2.2
Coordinate with Miami-Dade County WASD to encourage the creation and expansion of storage and distribution facilities for reclaimed water to institutional, commercial, and residential properties in an effort to reduce the use of potable water for irrigation purposes. MDWASD does not have any planned re-use projects within the Village of Palmetto Bay.

Policy 6.2.3
Cooperate with local, regional, state, and federal agencies concerning the proper management of fresh water resource sin order to conserve and maintain sufficient fresh water supplies, especially during dry periods, including cooperation with the Miami-Dade Water and Sewer Department (WASD) and the South Florida Water Management District (SFWMD) for the implementation of water demand management policies and programs.

Policy 6.2.4
Cooperate with emergency water conservation measures mandated by the WASD and the SFWMD.

Policy 6.2.5
On an annual basis, communicate the projected water demands for potable water, agriculture use, and industrial use to Miami-Dade WASD to ensure long term demand is reflected in WASD's water supply reports and licenses with the SFWMD and other Federal and State agencies.

Policy 6.2.6
All federal, state, regional and county water quality standards shall continue to be enforced in the Village of Palmetto Bay.

Policy 6.2.7
Ensure that the water conservation booklets and brochures are readily available at Village Hall and other public facilities to residents and businesses. Updates to these materials should be performed as needed to reflect any changes in policy or law.

Policy 6.2.8
Increase green space within the rights-of-way to support tree growth and ensure proper swale areas to capture stormwater runoff, consistent with the Street Tree Master Plan, dated June 21, 2006.

Policy 6.2.9
Village Hall shall serve as a central distribution point for South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDEP) and Miami-Dade County Water and Sewer Department (WASD) news releases, brochures, and public presentations on ways for homeowners, businesses, and industry to conserve all forms of water resources.

Policy 6.2.10
The Village's Land Development Code (LDC) shall contain regulations requiring the use of all feasible water-saving devises in new and renovation building construction. The Village will participate, when warranted, in the SFWMD's Water Savings Incentive Program (WaterSIP) for large-scale retrofits as recommended by the 2013 Lower East Coast Water Supply Plan Update.

Policy 6.2.11
The Village will encourage the use of Florida Friendly Landscape guidelines and principals including gutter downspouts, roof runoff, and rain harvesting through the use of rain barrels and directing runoff to landscaped areas: drip irrigation or micro-prinklers and the use of porous surface materials (bricks, gravel, turf block, mulch, pervious concrete, etc.) on walkways, driveways and patios.

Policy 6.2.12
Do everything possible to encourage homeowners and businesses in the Village of Palmetto Bay to use non-potable and/or reuse water for landscaping and lawn care.

Policy 6.2.13
Coordinate with the Miami-Dade County Water and Sewer Department (WASD) to install treated re-used (grey) water lines in Village of Palmetto Bay for use on rights-of way and other appropriate landscaped areas within the Village limits. MDWASD does not have any planned re-use projects within the Village of Palmetto Bay.

Policy 6.2.14
Cooperate fully with emergency water conservation measures mandated by the South Florida Water Management District (SFWMD).

Policy 6.2.15
All future development will be required to comply with water use efficiency techniques for indoor water use in accordance with Section 8-31, 31-84 and 8A-381 of the Code of Miami-Dade County. The Village will require the use of high efficiency toilets, showerheads, faucets, clothes washers and dishwashers that are Energy Star rate and WaterSense certified in all new and retrofitted residential and commercial projects, as required by the Miami-Dade County Water Use Efficiency Standards Ordinance 08-100 (Effective Date January 1, 2009) and Manual and adopt an ordinance to effectuate the same by January 1, 2017.

Policy 6.2.16
All future development will be required to comply with the landscape standards in sections 18-A and 18-B of Miami-Dade County Code.

Policy 6.2.17
All permit applications for multifamily residential developments shall be required to include a sub-meter for each individual dwelling; per Section 8A-381(c) of the Miami-Dade County Code.

Policy 6.2.18
The Village shall submit a water conservation plan to the County as required by the Miami-Dade County Code, Section 32-83.1. Said Plan shall be updated for the County's approval every five years following submittal and Conserve Florida Guide generated reports shall be filed annually at the close of the fiscal year.

Objective 6.3 Surface Water Quality
Maintain and improve the water quality of the community's water bodies based on current Florida Department Environmental Protection (FDEP), South Florida Water Management District (SFWMD), and Miami-Dade County rules and regulations.

Policy 6.3.1 Coordinate with the Miami-Dade County Department of Regulatory and Economic Resources and FDEP to conduct routine water quality tests in and adjacent to waterways for bacteriological contamination. Continue to monitor water quality parameters in the C-100 Drainage Basin and press for improvements where necessary to maintain acceptable water quality.

Policy 6.3.2
Maintain cooperative relationships with government environmental agencies to ensure prompt response and investigation of events that may threaten the quality of water resources in and around the Village of Palmetto Bay.

Policy 6.3.3
Coordinate with regional and state environmental agencies to provide educational outreach materials to enhance public awareness of surface water quality issues and best management practices to protect water quality.

Policy 6.3.4
Maintain regulations and monitoring techniques within the Land Development Regulations to ensure that adequate stormwater management standards for pervious area, retention and detention are included from the SFWMD and Miami-Dade County Department of Regulatory and Economic Resources, and that the drainage LOS standard adopted in this Comprehensive Plan is met.

Objective 6.4 Groundwater, Drainage, and Floodplain
Protect the 100-year floodplain, groundwater aquifer recharge, and the natural drainage features within the Village.

Policy 6.4.1
Maintain regulations and monitoring techniques within the Revise the Land Development Regulations to preserve and enhance the functions of natural groundwater aquifer recharge and natural drainage features, and protect water quality.

Policy 6.4.2
Continue to work with the Miami-Dade County Department of Regulatory and Economic Resources to encourage aquifer recharge and storage capacity for the Biscayne Aquifer through storm water management permitting.

Policy 6.4.3
Coordinate with the Miami-Dade County Department of Public Works and Waste Management to prioritize Stormwater problem areas and target capital improvement

projects to mitigate them, and utilize the Village's Stormwater Master Plan to identify additional priority storm water problem areas and projects.

Policy 6.4.4
Regulate surface water management and flood damage prevention by maintaining regulations into the Land Development Regulations consistent with program policies of the Federal Insurance Administration.

Objective 6.5 Protection of Natural Resources
Conserve and protect the remaining natural systems of the Village of Palmetto Bay, in recognition of the inherent values of these areas left in their natural state.

Policy 6.5.1
Manage environmentally sensitive natural systems in the Village, including, but not limited to, water resources, wetlands, and native habitats of flora and fauna through prudent land use planning and land development regulations.

8.0 Intergovernmental Coordination Element

Goal 8
Establish and improve intergovernmental relationships with public, quasi-public, private and non-profit entities involved in planning and development activities. Resource protection and allocation, and utility and infrastructure provision, including coordination of plans and programs affecting the Village of Palmetto Bay and its neighboring communities.

Objective 8.1 Non-Transportation Coordination Activities and Participation
Maintain and greatly enhance, where possible, intergovernmental coordination initiatives and activities with governmental agencies, quasi-public companies, local service providers and non-profits, such as Miami-Dade County, South Florida Water Management District, and Miami-Dade County School Board, to maximize the capital improvement, service and financial benefits from those entities to the residents and businesses of Palmetto Bay.

Policy 8.1.2
Participate in federal, state, regional, and county workshops, meetings, and public hearings relating to topics affecting the Village of Palmetto Bay and its environs, including but not limited to water supply.

Policy 8.1.3
Special coordination emphasis shall be placed on maintaining effective lines of communication with county, regional, and state agencies charged with setting levels-of-service and/or permitting requirements, and initiating maintenance and capital improvement projects for public facilities and water supply located in and around the Village of Palmetto Bay.

Policy 8.1.5
The Village Manager and his designee shall prepare and review the annual level-of-service monitoring report specified in the adopted concurrency management system in order to provide the affected service providers and other entities with information to evaluate and coordinate level-of-service standards, including but not limited to water supply.

Policy 8.1.6
In situations where other public or private entities are providing a public facility or service within the Village of Palmetto Bay for roads, water, sewer, drainage, parks, solid waste or public educational facilities, to Village will coordinate its adopted level-of-service standard with such service provider within the parameters allowed by the Capital Improvements Element of this plan. The Village shall further coordinate with all other parties to the "Amended and Restated Interlocal Agreement for Public School Facility Planning" to establish level-of-service standards (including interim LOS standards) for public school facilities and any amendments affecting public school concurrency.

Policy 8.1.7
The Village's Comprehensive Plan will be consistent, where feasible, with the State of Florida Comprehensive Plan, the South Florida Strategic Regional Policy Plan, the Miami-Dade County Comprehensive Development Master Plan, the Comprehensive Plans of adjacent governments, and applicable regional water supply plan(s), including the 2013 Lower East Coast Water Supply Plan Update.

Policy 8.1.10
Continue to coordinate with the Miami-Dade County Department of Regulatory and Economic Resources and the South Florida Water Management District on surface water quality monitoring and water quality in Biscayne Bay.

Policy 8.1.11
Continue to coordinate with the US Department of Environmental Protection, US Army Corps of Engineers, South Florida Water Management District, and Miami-Dade County Department of Management Regulatory and Economic Resources to ensure that all regulatory programs administered through each of these agencies is integrated, as applicable, into the Village of Palmetto Bay Land Development Code.

Policy 8.1.16
Pursue resolution of development and growth management issues with impacts transcending the Village's political jurisdiction. Issues of regional and state significance shall be coordinated with the South Florida regional Planning Council, the South Florida Water Management District, and/or state agencies having jurisdictional authority. Issues to be pursued include, but are not limited to, the following:

1. Impacts of development proposed in the Comprehensive Plan on Miami-Dade County, adjacent cities, the region, and the state.

2. Land development activities adjacent to the Village's corporate limits within Miami-Dade County or nearby cities.
3. Research regulatory framework and implementation of affordable housing programs.
4. Village land development activities adjacent to the unincorporated area of the county, or nearby cities.
5. Potential annexation issues.
6. Area-wide drainage and stormwater management master plan, proposed improvements, and implementing programs.
7. Solid waste disposal, including development of new landfill facilities, recycling resources, and other improvements.
8. Level-of-service standards for infrastructure system impacting the Village and adjacent areas.
9. Conservation of natural and historic areas.
10. Emergency management and evacuation planning and procedures.
11. Village water supply needs based upon the Miami-Dade County Water Supply Plan and the South Florida Water Management District Regional Water Supply Plan.

Policy 8.1.17
The Village shall complete an evaluation of informal and formal coordination mechanisms between the Village, other units of local, regional, state, and federal government, and any private entity which provides an essential public service that affects level-of-service and/or land use planning in the Village.

Policy 8.1.19
The Village will coordinate with the South Florida Water Management District concerning its jurisdictional authority as necessary and support its efforts concerning the 2013 Lower East Coast Water Supply Plan Update. ACCELER8 Everglades and CERP and the Biscayne Bay Coastal Wetlands Project to protect an Outstanding Florida Water Biscayne Bay. The Village hereby adopts by reference the Miami-Dade County Comprehensive Development Master Plan Amendments adopted February 4, 2015. The Miami-Dade WASD 20-year Water Supply Facilities Work Plan Update (2014-2033) Support Data (November 2014), the 2013 Lower East Coast Water Supply Plan Update (LEC) approved by the South Florida Water Management District (SFWMD on October 10, 2013 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference.

Policy 8.1.20
The Village does not provide water to other local governments, but will negotiate or renew inter-local agreements with water supply providers ensuring contractual agreement of the adopted level of service standards, service area, populations and time period for services provided.

Objective 8.3 Communicate Village Plans to Affected Outside Entities
Village of Palmetto Bay's plans and programs proposed in the Comprehensive Plan or through other approved policy documents that impact adjacent communities, Miami-Dade County, the region and the State shall be fully communicated and considered through effective coordination mechanisms.

Policy 8.3.3
The Village shall, as needed review and coordinate with neighboring jurisdictions the Village of Palmetto Bay's land use plans and facility planning for water, sewer, roads, and any other public facilities that may have an impact on other entities or cause inconsistencies between comprehensive plans.

9.0 Capital Improvements Element

Goal 9 Provision of High-Quality road, utility and infrastructure facilities and services and public education facilities necessary to correct current deficiencies and accommodate new development and redevelopment for the residents and businesses for palmetto bay consistent with the level-of-service standards establish in this comprehensive plan.

Objective 9.1 Capital Revenues
Ensure that adequate fiscal resources are available to ensure that public facility improvements required for existing development, redevelopment, and planned future growth can be made concurrent with development impacts

Policy 9.1.2
Prior to the issuance of new development orders, ensure public capital revenues and/or secured developer commitments are in place to provide all public facilities at adopted level-of-service standards, including but not limited to water supply concurrency requirements.

Objective 9.2 Public Facilities
Provide high-quality roads and infrastructure facilities and services, including public educational facilities necessary to meet the existing needs and accommodate planned future growth at the adopted level-of-service standards.

Policy 9.2.1
All Village decisions regarding land use planning and development will ensure the availability of public facilities and services necessary to support such development at the adopted level-of-service standards concurrent with the associated impacts by means of Village's LDC and in compliance with the Village's Water Supply Plan. Prior to approval of a building permit or its functional equivalent, the Village shall consult with the MDCWASD to determine whether adequate water supplies to serve new development will be available no later than the anticipated date of issuance by the Village of a Certificate of Occupancy or its functional equivalent.

Policy 9.2.5
Through appropriate public facility funding mechanisms and impact fees, assess new development and higher intensity redevelopment, a pro rata share of the public facility costs necessary to accommodate the impacts of the development at the adopted levels-of service. Public facilities include potable water, sanitary sewer, solid waste, drainage, parks, roadways, and public educational facilities.

Policy 9.2.10
The Village shall provide monthly data to the Miami-Dade County WASD, as required by such entity, to track the amount of water to be allocated for new use.

Objective 9.3 Concurrency and Level-of-Service Standards (LOS) Standards
Make the availability of high-quality public facilities at adopted LOS standards concurrent with the impacts of development, an important basis for future land planning and capital decisions.

Policy 9.3.1
Sanitary Sewer, Solid Waste, Drainage and Potable Water: Prior to the issuance of any development order for new development or redevelopment, sanitary sewer, solid waste, drainage and potable water facilities needed to support the development at adopted LOS standards all must meet one of the following timing requirements:

1. The development order includes the condition that at the time of issuance of a certificate of occupancy or its functional equivalent, the necessary facilities and services are in place and available to serve the new development; or
2. The necessary facilities and services are guaranteed in an enforceable development agreement, pursuant to Section 163.3220, F.S, or an agreement or development order issued pursuant to Chapter 380, F.S., to be in place and available to serve new development at the time of the issuance of a certificate of occupancy or its functional equivalent.

Policy 9.3.3
Evaluate proposed Plan amendments and requests for new development or redevelopment according to the following guidelines:

1. Will the action contribute to condition of public hazard as described in the Infrastructure Element?
2. Will the action exacerbate any existing public facility capacity deficiency, as described in the Transportation Element, Infrastructure, and recreation and Open Space, Public Educational Facilities Elements, and Water Supply Elements?
3. Will the action generate public facility demands that may be accommodated by capacity increases, which will maintain adopted level-of-service standards either planned in the Five-Year Schedule of Capital Improvements or by developer commitment?

4. Is the action consistent with the goals, objectives, and policies of the Future Land Use Element, including the Future Land Use Map?
5. If the Village provides public facilities, in part or while, is the action financially feasible pursuant to this Element?

Recommended Level of Service (LOS) Standards for the Village of Palmetto Bay
Potable Water

The adopted level of service standard adopted by the Miami-Dade Water and Sewer Department (WASD) for potable water service within the Village of Palmetto Bay is:

a. The Regional Treatment: System shall operate with rated maximum daily capacity no less than 2% above the maximum daily flow for the preceding year, and an average daily capacity 2% above the average daily system demand for the preceding five years. The maximum daily flow shall be determined by calculating the average of the highest five single day flows for the previous 12 months.
b. Water shall be delivered to users at a pressure no less than 20 pounds per square inch (psi) and no greater than 100 psi. Unless otherwise approved by the Miami-Dade Fire Rescue Department, minimum fire flows based on the land use served shall be maintained as follows:

Land Use	Min. Fire Flow (gpm)
Single Family Residential Estate	500
Single Family and Duplex; Residential on Minimum lots of 7,500 sf	750
Multi-Family Residential; Semiprofessional Offices	1,500
Hospitals; Schools	2,000
Business and Industry	3,000

c. Water Quality: Meet all federal, state, and county primary potable water standards.
d. Countywide Storage: Storage capacity for finished water shall equal no less than 15% of countywide average daily demand.

10.0 Educational Facilities Element

Goal 10
DEVELOP, OPERATE, AND MAINTAIN A SYSTEM OF PUBLIC EDUCATION BY MIAMI-DADE COUNTY PUBLIC SCHOOLS, IN COOPERATION WITH THE COUNTY AND OTHER APPROPRIATE GOVERNMENTAL AGENCIES, WHICH WILL STRIVE TO IMPROVE THE QUALITY AND QUANTITY OF PUBLIC EDUCATIONAL FACILITIES AVAILABLE TO THE CITIZENRY OF MIAMI-DADE COUNTY, FLORIDA.

Objective 10.3
Obtain suitable sites for the development and expansion of public education facilities.

Policy 10.3.5
When considering a site for possible use as an educational facility Miami-Dade County Public Schools should review the adequacy and proximity of other public facilities and services necessary to the site such as roadway access, transportation, fire flow, and portable water sanitary sewers, drainage, solid waste, police and fire services, and means by which to assure safe access to schools, including sidewalks, bicycle paths, turn lanes, and signalization.

11.0 Water Supply Facilities Element

Goal 11
PROVIDE A QUALITY, DEPENDABLE POTABLE WATER SUPPLY SUFFICIENT TO MEET THE EXISTING AND FUTURE NEEDS OF VILLAGE RESIDENTS AND BUSINESSES ON A TIMELY BASIS, AT A REASONABLE COST AND IN COMPLIANCE WITH UTILITY REGULATORY STANDARDS; CONTINUE TO SUPPORT AN MONITOR STATE, COUNTY, AND SOUTH FLORIDA WATER MANAGEMENT DISTRICT EFFORTS TO PROTECT, CONSERVE, AND MANAGE THE QUALITY AND QUANTITY OF NATURAL GROUNDWATER RESOURCES.

Objective 11.1 Potable Water Level of Service
Coordinate effectively with the Village's water service provider Miami-Dade County Water and Sewer Department (WASD), to ensure that potable water service to the Village will meet to exceed the adopted level-of-service (LOS) standard throughout the planning period.

Policy 11.1.1
The adopted level-of-service standard established by WASD for potable water service within the Village:

a. Regional Treatment. System shall operate with rated capacity that is no less than two (2) percent above the maximum daily flow for preceding year.
b. User LOS, maintain capacity to produce and deliver 97.54 gallons/per capita/per day.
c. Water Quality. Meet all federal, state, and county primary potable water standards.
d. Countywide Storage. Storage capacity for finished water shall equal no less than 15 percent of countywide average daily demand.

Policy 11.1.2
Monitor and assess periodically, the planning, capital programming, and construction programs of WASD, as well as service complaints, to help ensure that Village residents,

businesses, and other Village users are provided with potable water services in compliance with the adopted LOS standard.

Policy 11.1.3
Coordination of land uses and future land use changes with the availability of water supplies and water supply facilities.

Policy 11.1.4
All Village development order approvals must ensure that the Village's adopted potable water LOS standard will be maintained from planning through to construction and operation.

Policy 11.1.5
Revise potable water level of service standards for residential and nonresidential users.

Objective 11.2 Existing and Efficient Expansion of Water Facilities
Coordinate with WASD to help ensure cost-efficient use of existing facilities and coordinate prudent future expansion plan consistent with projected needs to accommodate development at the densities and intensities proscribed in the Future Land Use Element.

Policy 11.2.1
Encourage future development and redevelopment in areas that are already served, or programmed to be served, by WASD potable water facilities.

Policy 11.2.2
Coordinate with WASD to provide potable water service to those areas within municipal limits that are currently dependent upon private wells to satisfy potable water needs, including those areas that may be subject to salt water intrusion as a priority and those areas without potable water.

Policy 11.2.3
Coordinate population projections as documented in the Village's Data Inventory and Analysis, Table 1; commercial growth, land use changes and development approvals with WASD to assist that agency in effectively planning the Village's future potable water needs.

Policy 11.2.4
Include the review and comment of WASD in the development review process for Village Plan amendments, rezoning's, site plan and plat approvals to help ensure the cost-efficient use of existing County waste facilities and extension of new water service.

Policy 11.2.5 Reserved

Policy 11.2.6
Coordinate with, and revise, as recommended by WASD and other agencies, as appropriate, the priorities for the replacement of facilities, correction of existing water supply and facility deficiencies, and provision for future water supply and facility needs.

Policy 11.2.7
Coordinate for improved or additional coordination between WASD and the Village concerning the sharing and updating of information to meet the Village concerning the ongoing water supply needs.

Policy 11.2.8
The Village shall undertake periodic, specific actions to coordinate with the County to continue to develop consistent population projects and to amend and/or revise the Water Supply Plan in the future based upon those coordinated efforts.

Policy 11.2.9
Before approval of a building permit or change of use, the Village will ensure that a Water Supply Certification letter has been issued by the MDWASD to ensure adequate water supply is available for the proposed use.

Objective 11.3 Water Conservation
Actively enact regulations to ensure all residents and businesses in Palmetto Bay conserve potable and non-potable water to the maximum extent possible.

Policy 11.3.1
Village Hall shall serve as a central distribution point for South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDEP), and WASD news releases, brochures, and public presentations on ways for homeowners, businesses, and industry to conserve all forms of water resources.

Policy 11.3.2
The Village's Land Development Code (LDC) shall contain regulations requiring the use of all feasible water-saving devises in new and renovation building construction.

Policy 11.3.3
The Village shall implement water-saving "Florida Friendly" and/or "Florida Friendly" Plantings, watering techniques, and landscape design ordinances in existing and future developed areas of the Village including adopting the Florida Yards and Neighbors Program, modify the Village's landscaping ordinances and implementing emergency water restriction policies. The Village has already adopted water restriction ordinances, State of Florida Yards and Neighbors Program, and modified its landscaping ordinances relating Florida Friendly plantings.

Policy 11.3.4
Enact landscaping and water restriction ordinances requiring homeowners and businesses in the Village to use non-potable and/or reuse water for landscaping and lawn care.

Policy 11.3.5
Coordinate with WASD to install treated re-used (grey) water lines in the Village for use on road rights-of way and other appropriate landscaped areas within Village limits. MDWASD does not have any planned re-use projects within the Village of Palmetto Bay.

Policy 11.3.6
Cooperate fully with emergency water conservation measure mandated by the SFWMD.

Policy 11.3.7
Other programs and activities to implement conservation measures that require a longer implementation time frame will be prepared for future adoption.

Objective 11.4 Treated Wastewater Re-Use
Coordinate with WASD to promote reuse of treated wastewater and other by-products for public open space and golf course irrigation, fertilization, and aquifer recharge.

Policy 11.4.1
Coordinate with WASD to install treated re-used (grey) water lines in the Village of Palmetto Bay for use on road rights-of way and other appropriate landscaped areas within the municipal limits. MDWASD does not have any planned re-use projects within the Village of Palmetto Bay.

Policy 11.4.3
Require developers seeking development approvals to fully investigate and use, if viable, grey water in project open space and recreation irrigation.

Objective 11.5 Future Growth Needs
Accommodate the future growth needs of the Village through proper planning and effective coordination with the appropriate water management agencies.

Policy 11.5.1
Encourage future development into areas that are already served, or programmed to be served, by under-capacity stormwater management facilities.

Policy 11.5.2
Update the Stormwater Master Plan every five (5) years (last performed FY 13-14) in order to ensure that future growth needs of the Village are prudently accommodated and planned for.

Policy 11.5.3
Actively coordinate the Village's stormwater planning, programming, and construction with the Federal Emergency Management Agency (FEMA), SFWMD, Miami-Dade County Department of Regulatory and Economic Resources, and the Miami-Dade County Public Works Department.

Policy 11.5.4
Coordination of land uses with available and projected fiscal resource and a financially feasible schedule of capital improvements for waste supply and facility projects.

Policy 11.5.5
Coordinate with Miami-Dade County to seek additional revenue sources to fund water supply and facility projects.

Policy 11.5.6
Coordinate with the regional water supply plan approved for this region.

Policy 11.5.7
The Village shall update the Water Supply Plan within 18 months following the approval of an updated regional water supply plan.

Policy 11.5.8
Concurrency relating to water supply shall be completed prior to the anticipated date of issuance a certificate of occupancy. The Village shall consult with Miami-Dade County to determine that water supplies will be available at the time the certificate of occupancy is issued.

Policy 11.5.9
Coordinate land uses with available and projected fiscal resources and a financially feasible schedule of capital improvements for water supply and facility projects.

Policy 11.5.10
Coordinate between local governments and WASD in the implementation of alternative water supply projects; establish a level-of-service standard and resource allocation, changes in service areas, and potential for annexation in coordination with the County.

Policy 11.5.11
Miami-Dade County Water Supply Facilities Work Plan revised November 2014 is hereby adopted by the Village, the 20-year work plan schedule is consistent with the Village's work plan schedule.

Objective 11.6 Recharge Groundwater and Water Quality
Use the Stormwater Master Plan process and prudent land development regulations to ensure that private development and public infrastructure projects maintain required surface water quality standards and serve to recharge the groundwater aquifer.

Policy 11.6.1
A primary objective of the Stormwater Master Plan is protection of surface water quality through the LDC requirements that mandate acceptable paving and drainage plans, adequate open (pervious) space areas, and stormwater detention and retention in private development projects.

Policy 11.6.2
Review the LDC on a regular basis to ensure that all feasible options are being utilized to protect water quality and enhance groundwater recharge.

Policy 11.6.3
Provide for the protection of water quality in the traditional and new alternative water supply sources, in conjunction with Miami-Dade County, and other agencies.

Objective 11.7 Natural Groundwater Aquifer Recharge/ Recharge Deficiencies
In coordination with state, regional, and county water management agencies, correct any documented recharge deficiencies identified in the Village's Stormwater Master Plan and outside agencies.

Policy 11.7.1
As part of the Stormwater Master Plan process, identify groundwater recharge deficiencies, if any, in the Village.

Policy 11.7.2
Maintain and enhance, where appropriate, the capacity and period of natural surface water drainage and recharge.

Policy 11.7.3
Assist State, Regional, and County efforts, where appropriate, in protecting the functions of natural groundwater recharge areas and natural drainage features in the Village.

Policy 11.7.4
Continue to enforce the Village's on-site water retention and pervious open space standards for new development and redevelopment projects.

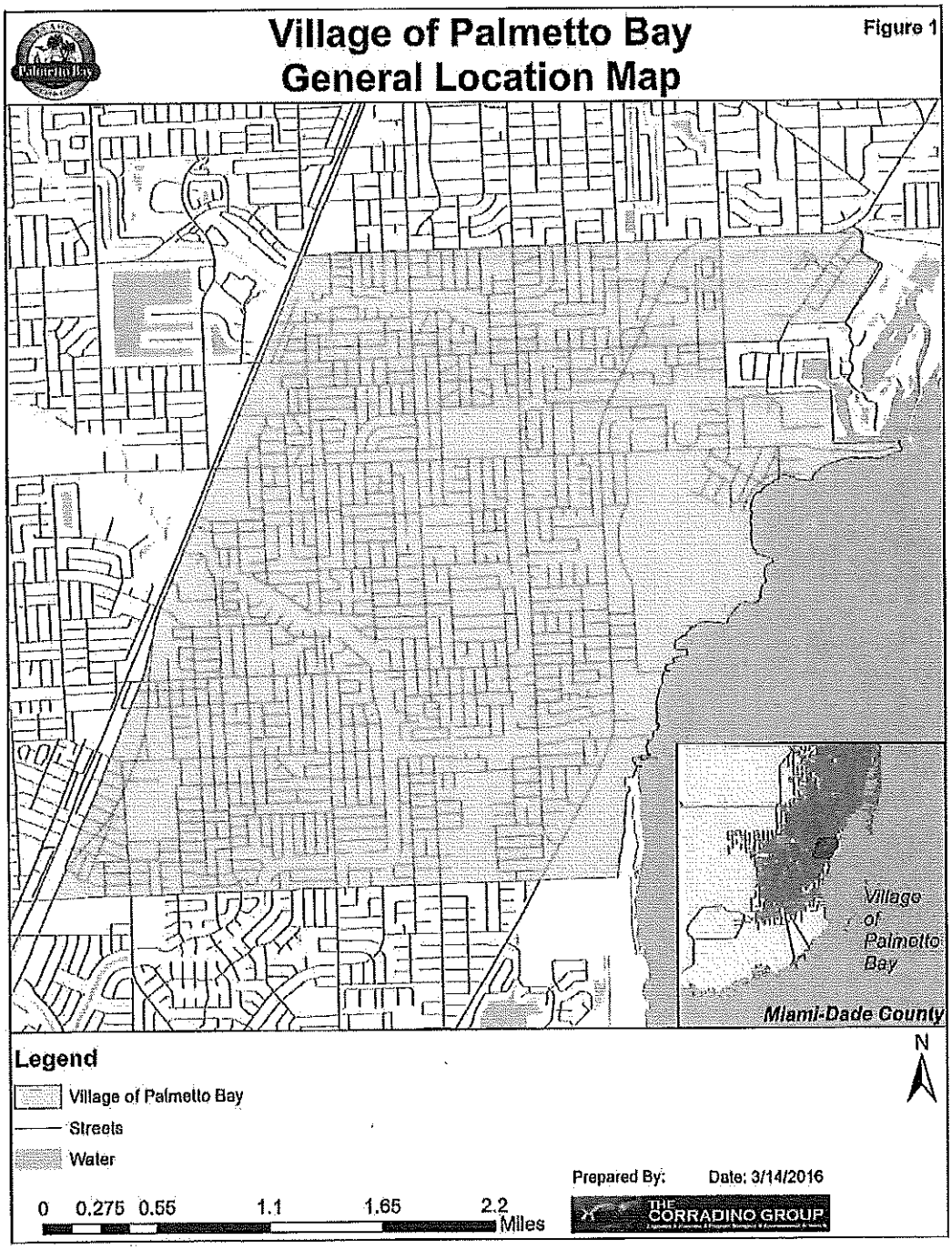
Policy 11.7.5
All development projects shall use retention, infiltration, and detention systems as required by the LDC, and applicable State, and regional standards.

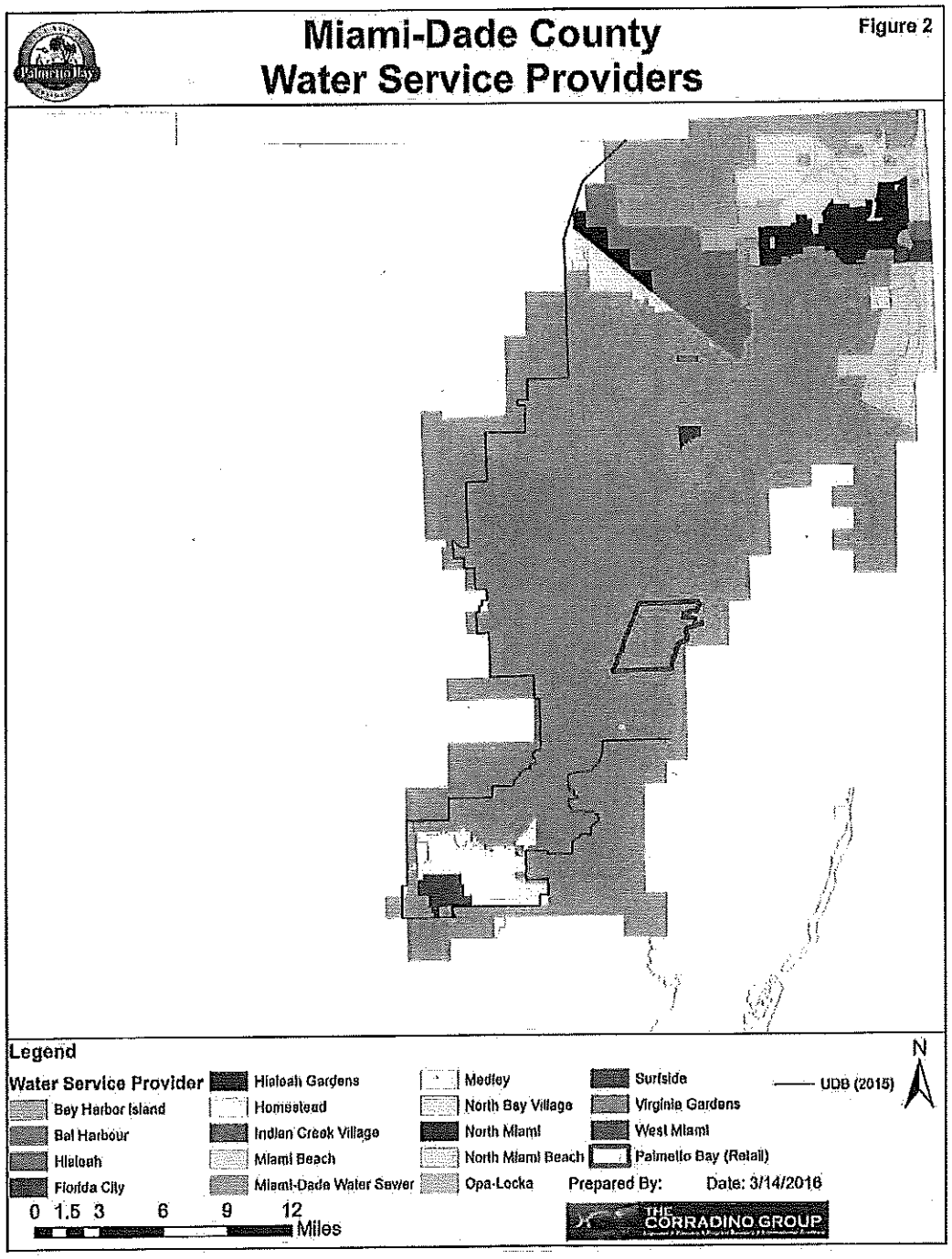
Objective 11.8 Potable Water Conservation
Increase potable water conservation in order to better meet present and projected needs of all consumers and reduce demands on water service.

Policy 11.8.1
The Village, coordinating with Miami-Dade County shall provide for conserving potable water resources, including the implementation of reuse programs and potable water conservation strategies and techniques, including but not limited to: Emergency Water Restrictions, SFWMD rules relating to irrigation and watering, Florida Neighborhood and Yards standards relating to native and xeriscape landscaping.

Objective 11.9 Concurrency and Level-of-Service (LOS) Standards
Make the availability of high-quality pubic facilities at adopted LOS standards concurrent with the impacts of development an important basis for future land planning and capital decisions.

Policy 11.9.1 Coordinate with the County and other local governments and WASD in the implementation of alternative water supply projects, establishment of level-of-service standards and resource allocations, changes in service areas, and potential for annexation.


Village of Palmetto Bay
General Location Map
Figure 1
Village of Palmetto Bay
Miami-Dade County
Legend
Village of Palmetto Bay
Streets
Water
N
Prepared By:
Date: 3/14/2016
0 0.275 0.55 1.1 1.65 2.2 Miles
THE CORRADINO GROUP


Miami-Dade County
Water Service Providers
Figure 2
Legend
Water Service Provider
Bay Harbor Island
Bal Harbour
Hialeah
Florida City
Hialeah Gardens
Homestead
Indian Creek Village
Miami Beach
Miami-Dade Water Sewer
Medley
North Bay Village
North Miami
North Miami Beach
Opa-Locka
Surfside
Virginia Gardens
West Miami
Palmetto Bay (Retail)
UDB (2015)
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Date: 3/14/2016
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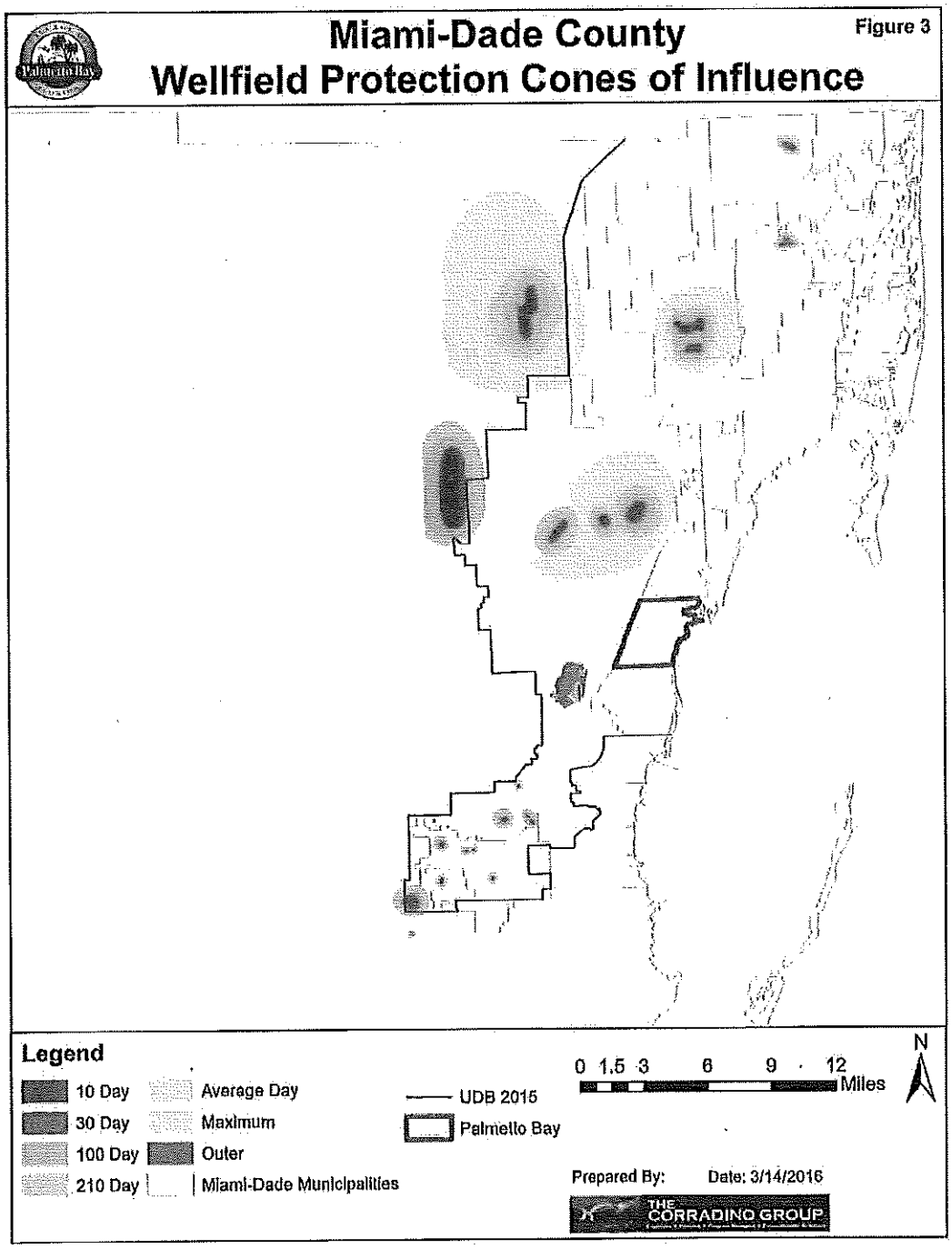
Miles
THE CORRADINO GROUP


Miami-Dade County
Wellfield Protection Cones of Influence
Figure 3
Legend
10 Day
30 Day
100 Day
210 Day
Average Day
Maximum
Outer
Miami-Dade Municipalities
UDB 2015
Palmetto Bay
0 1.5 3 6 9 12
Miles
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Prepared By:
Date: 3/14/2016
THE CORRADINO GROUP

ORDINANCE
&
WATER SUPPLY FACILITY WORK PLAN

SECOND READING UPDATE

ORDINANCE NO. 2016-____

AN ORDINANCE OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, ACTING IN ITS CAPACITY AS THE MAYOR AND VILLAGE COUNCIL AND AS THE LOCAL PLANNING AGENCY; AMENDING ELEMENTS, 1, 4, 6, 8, 9, AND 11 OF THE VILLAGE'S COMPREHENSIVE PLAN AS THEY PERTAIN TO WATER SUPPLY FACILITY GOALS, OBJECTIVES, AND POLICIES OF THE VILLAGE'S COMPREHENSIVE PLAN; PROVIDING FOR ORDINANCES IN CONFLICT, CODIFICATION, SEVERABILITY AND AN EFFECTIVE DATE.

WHEREAS, Chapter 163.3177(6)(a), *Florida Statutes*, requires local governments to prepare and adopt Water Supply Facilities Work Plan to their comprehensive plans after the water management with jurisdiction approves theirs; and

WHEREAS, the Village is located in the South Florida Water Management District region in southeast Florida, and their 2013 Lower East Coast Water Supply Plan Update (LEC) was approved on October 10, 2013; and

WHEREAS, because Miami-Dade Water and Sewer Department is the Villages sole utility for the provision of potable water, the Village's Water Supply Facilities Work Plan must be consistent therewith; and

WHEREAS, this ordinance aligns the Village's Water Supply Facilities Work Plan with the Miami-Dade County and with the South Florida Water Management District; and

WHEREAS, pursuant to Section 163.3174, *Florida Statutes* the Village Council has been designated as the Local Planning Agency for the Village; and

WHEREAS, on _____, 2016, the Local Planning Agency recommended approval the proposed ordinance; and

WHEREAS, in light of the above, Village of Palmetto Bay desires to amend its Comprehensive Plan effectively updating its Water Supply Facilities Work Plan as so required by State Statute and consistent with Miami-Dade County and the South Florida Water Management District.

NOW, THEREFORE, BE IT ENACTED BY THE MAYOR AND COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The above recitals are true and correct and incorporated herein by this reference.

Additions shown by underlining and deletions shown by ~~overstriking~~. Additions since first reading shown by double underlining and deletions since first reading shown by ~~double overstriking~~.
"***" indicates portions of code excluded.

Section 2. Compliance with Criteria. In evaluating an application for a Comprehensive Plan amendment, from Neighborhood Mixed Use and Mixed Use Corridor, the Palmetto Bay Village Council is applying the standard under 30-30.8(b), of the Village's Code.

Section 3. Amendment. The Land Use Element of the Village's Comprehensive Plan is amended to read as follows:

1.0 FUTURE LAND USE ELEMENT

GOAL 1 **TO GUIDE THE VILLAGE OF PALMETTO BAY FROM BIRTH TO EARLY MATURITY AS AN OUTSTANDING AND TRULY LIVABLE COMMUNITY IN SOUTHEAST FLORIDA BY BUILDING ON, AND IMPROVING, THE EXISTING LAND USE BLUEPRINT THROUGH VISIONARY PLANNING AND PLACE-MAKING, COST EFFICIENT PROVISION OF HIGH QUALITY FACILITIES AND SERVICES, QUALITY NEIGHBORHOOD PROTECTION, AND ENHANCEMENT OF ITS UNIQUE AND BEAUTIFUL COASTAL ENVIRONMENTAL RESOURCES.**

* * *

Objective 1.3 Public Facility Levels-of-Service
Make sure suitable land is available for roads and infrastructure needed to support proposed development and redevelopment, and the expansion of necessary public facility capacity and service concurrent with the impacts of development.

* * *

Policy 1.3.5 Work with Miami-Dade County and the South Florida Water Management District to implement the County's and Region's Water Supply Plan in conjunction with the implementation of the Village's Water Supply Element, by adoption of the latest version of the Miami-Dade County Water Supply Facilities Work Plan, revised ~~March 2008, as prepared by Camp, Dresser and McKee, Inc.~~ November 2014.

* * *

4.0 INFRASTRUCTURE ELEMENT

(A) Potable Water Sub-Element

GOAL 4A **A quality, dependable potable water supply sufficient to meet the existing and future needs of Village residents and businesses on a timely basis, at a reasonable cost and in compliance with utility regulatory standards.**

* * *

Additions shown by underlining and deletions shown by ~~overstriking~~. Additions since first reading shown by double underlining and deletions since first reading shown by ~~double overstriking~~.
"***" indicates portions of code excluded.

Objective 4A.2 Existing Water Facilities and Efficient Expansion.

Coordinate with the Miami-Dade WASD to help ensure cost-efficient use of existing facilities and coordinate prudent future expansion plans consistent with projected needs to accommodate development at the densities and intensities proscribed in the Future Land Use Element.

* * *

Policy 4A.2.5 Reserved. ~~Continue to encourage expedited installation of potable water infrastructure improvements targeted for the area bounded by SW 164th Street to the north, the Miami-Dade County Busway to the west, SW 184th Street to the south, and SW 95th Avenue to the east as part of the project entitled "Perrine Park-Cutler Ridge Water and Sewer Improvements" included in the Building Better Communities Bond Program approved by the Miami-Dade County voters in November 2004.~~

Objctive 4A.3 Water Conservation.

Actively encourage and help all residents in Palmetto Bay to conserve potable and non-potable water to the maximum extent possible.

* * *

Policy 4A.3.3 Florida Friendly Landscape guidelines and principals. The Village will encourage the use of gutter downspouts, roof runoff, and rain harvesting through the use of rain barrels and directing runoff to landscaped areas, drip irrigation or micro-sprinklers, and the use of porous surface materials (bricks, gravel, turf block, mulch, pervious concrete, etc.) on walkways, driveways and patios. ~~Encourage the use of water-saving "Florida Friendly" plants, watering techniques and landscape designs in existing and future developed areas of the Village~~.

* * *

Policy 4A.3.7 All future development will be required to comply with water use efficiency techniques for indoor water use in accordance with Section 8-31, 31-84 and 8A-381 of the Code of Miami-Dade County. The Village will require the use of high efficiency toilets, showerheads, faucets, clothes washers and dishwashers that are Energy Star rate and WaterSense certified in all new and retrofitted residential and commercial projects, as required by the Miami-Dade County Water Use Efficiency Standards Ordinance 08-100 (Effective Date January 1, 2009) and Manual and adopt an ordinance to effectuate the same by January 1, 2017.

* * *

Additions shown by underlining and deletions shown by ~~overstriking~~. Additions since first reading shown by double underlining and deletions since first reading shown by ~~double overstriking~~.
"***" indicates portions of code excluded.

6.0 CONSERVATION ELEMENT

GOAL 6 **Protect and enhance the environmental resources of Palmetto Bay to ensure continued resource availability and environmental quality through prudent management, public education, appropriate regulations and enforcement, and active partnerships with governmental and environmental entities.**

* * *

Objective 6.2 Potable Water Conservation

Increase potable water conservation in order to better meet present and projected needs of all consumers and reduce demands on water service in compliance with the Water Supply Element.

Policy 6.2.1 By January ~~2016~~ 2017, updates to the Land Development Regulations, should be made to comply with the policies of the South Florida Water Management District (SFWMD) to conserve the potable water supply and protect the Village from saltwater intrusion, including groundwater recharge, water-saving devices and xeriscape concepts.

* * *

Policy 6.2.10 The Village's Land Development Code (LDC) shall contain regulations requiring the use of all feasible water-saving devises in new and renovation building construction. The Village will participate, when warranted, in the SFWMD's Water Savings Incentive Program (WaterSIP) for large-scale retrofits as recommended by the 2013 Lower East Coast Water Supply Plan Update.

Policy 6.2.11 ~~Encourage the use of water-saving "Florida Friendly" plants, watering techniques and landscape designs in existing and future developed areas of the Village.~~ The Village will encourage the use of Florida Friendly Landscape guidelines and principals including gutter downspouts, roof runoff, and rain harvesting through the use of rain barrels and directing runoff to landscaped areas, drip irrigation or micro-sprinklers, and the use of porous surface materials (bricks, gravel, turf block, mulch, pervious concrete, etc.) on walkways, driveways and patios.

* * *

Policy 6.2.15 All future development will be required to comply with water use efficiency techniques for indoor water use in accordance with Section 8-31, 31-84 and 8A-381 of the Code of Miami-Dade County. The Village will require the use of high efficiency toilets, showerheads, faucets, clothes washers and dishwashers that are Energy Star rate and WaterSense certified in all new and retrofitted residential and commercial projects, as required by the Miami-Dade County Water Use Efficiency

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Standards Ordinance 08-100 (Effective Date January 1, 2009) and Manual and adopt an ordinance to effectuate the same by January 1, 2017.

* * *

Policy 6.2.18 The Village shall submit a water conservation plan to the County as required by the Miami-Dade County Code, Section 32-83.1. Said Plan shall be updated for the County's approval every five years following submittal and Conserve Florida Guide generated reports shall be filed annually at the close of the fiscal year.

8.0 INTERGOVERNMENTAL COORDINATION ELEMENT

Goal 8 **Establish and improve intergovernmental relationships with public, quasi-public, private and non-profit entities involved in planning and development activities. Resource protection and allocation, and utility and infrastructure provision, including coordination of plans and programs affecting the Village of Palmetto Bay and its neighboring communities.**

Objective 8.1 Non-Transportation Coordination Activities and Participation
Maintain and greatly enhance, where possible, intergovernmental coordination initiatives and activities with governmental agencies, quasi-public companies, local service providers and non-profits, such as Miami-Dade County, South Florida Water Management District, and Miami-Dade County School Board, to maximize the capital improvement, service and financial benefits from those entities to the residents and businesses of Palmetto Bay.

* * *

Policy 8.1.7 The Village's Comprehensive Plan will be consistent, where feasible, with the State of Florida Comprehensive Plan, the South Florida Strategic Regional Policy Plan, the Miami-Dade County Comprehensive Development Master Plan, the Comprehensive Plans of adjacent governments, and applicable regional water supply plan(s), including the 2013 Lower East Coast Water Supply Plan Update.

* * *

Policy 8.1.19 The Village will coordinate with the South Florida Water Management District concerning its jurisdictional authority as necessary and support its efforts concerning the 2013 Lower East Coast Water Supply Plan Update. ACCELER8 Everglades and CERP and the Biscayne Bay Coastal Wetlands Project to protect an Outstanding Florida Water Biscayne Bay. The Village hereby adopts by reference the Miami-Dade County Comprehensive Development Master Plan Amendments adopted February 4, 2015. The Miami-Dade WASD 20-year Water Supply Facilities Work Plan Update (2014-2033) Support Data (November 2014), the 2013 Lower East Coast Water Supply Plan Update (LEC) approved by the South Florida Water Management

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District (SFWMD on October 10. 2013 and additional information found within Water Use Permit 13-00017-W are herein incorporated by reference.

Policy 8.1.20 The Village does not provide water to other local governments, but will negotiate or renew inter-local agreements with water supply providers ensuring contractual agreement of the adopted level of service standards, service area, populations and time period for services provided.

* * *

9.0 CAPITAL IMPROVEMENT ELEMENT

Goal 9 **Provision of High-Quality road, utility and infrastructure facilities and services and public education facilities necessary to correct current deficiencies and accommodate new development and redevelopment for the residents and businesses for palmetto bay consistent with the level-of-service standards establish in this comprehensive plan.**

* * *

Objective 9.2 Public Facilities
Provide high-quality roads and infrastructure facilities and services, including public educational facilities necessary to meet the existing needs and accommodate planned future growth at the adopted level-of-service standards.

Policy 9.2.1 All Village decisions regarding land use planning and development will ensure the availability of public facilities and services necessary to support such development at the adopted level-of-service standards concurrent with the associated impacts by means of Village's LDC and in compliance with the Village's Water Supply Plan. Prior to approval of a building permit or its functional equivalent, the Village shall consult with the MDCWASD to determine whether adequate water supplies to serve new development will be available no later than the anticipated date of issuance by the Village of a Certificate of Occupancy or its functional equivalent.

* * *

Policy 9.2.10 The Village shall provide monthly data to the Miami-Dade County WASD, as required by such entity, to track the amount of water to be allocated for new use.

* * *

11.0 WATER SUPPLY FACILITY ELEMENT

Goal 11 **PROVIDE A QUALITY, DEPENDABLE POTABLE WATER SUPPLY SUFFICIENT TO MEET THE EXISTING AND FUTURE NEEDS OF VILLAGE RESIDENTS AND BUSINESSES ON A TIMELY BASIS, AT A**

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