



GOAL 1 - POTABLE WATER: work with the Town-wide service provider, Miami-Dade County Water and Sewer Department (WASD), to assure a sufficient, dependable, and high quality potable water supply to meet the needs of Cutler Bay residents and businesses on a timely basis, at a reasonable cost and in compliance with all state and federal requirements to protect the health and safety of the public.

Objective I1-1

The Town will meet or exceed the adopted Levels-of-Service (LOS) standard throughout the planning period.

Monitoring Measures I1-1

The Town's required reports showing the potable water Level-of-Service from County WASD.

Policy I1-1A: The adopted Cutler Bay LOS standard for potable water is:

- *Regional treatment* - System shall operate with a maximum daily rated capacity that is no less than 2% above maximum daily flow for the preceding year, and an average daily capacity 2% above the average daily system demand for the preceding 5 years. The maximum daily flow shall be determined by calculating the average of the highest five single day flows for the previous 12 months.
- *User LOS* - Maintain capacity to produce and deliver 74 gallons per capita per day systemwide.
- *Water Quality* - Shall meet all county, state and federal primary potable water standards.
- *Countywide Storage* - Storage capacity for finished water shall equal no less than 15% of countywide average daily demand (County).

Policy I1-1B: The Town will monitor the planning, capital programming and construction programs of the Miami-Dade County WASD to help ensure that Cutler Bay residents, businesses and other Town users are provided with potable water services in compliance with the adopted LOS standard throughout the planning period.

Policy I1-1C: The Town will review all development proposals to make sure that if the proposed projects are constructed, the Town's adopted potable water LOS standard will be maintained.

Policy I1-1D: The Town will work closely with Miami-Dade County WASD to ensure treatment capacity of potable water for all existing and future development in the Town to maintain the adopted LOS standard.

Policy I1-1E: The Town will urge Miami-Dade County WASD to provide looped water lines and water lines of an adequate size for fire suppression purposes.

Objective I1-2

The Town will coordinate with the Miami-Dade County WASD to help ensure the 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.

Monitoring Measures I1-2

The Town requests development reviews from Miami-Dade County WASD.



INFRASTRUCTURE ELEMENT

Policy I1-2A: The Town will encourage future development into areas that are already served, or programmed to be served by County WASD potable water facilities.

Policy I1-2B: The Town will coordinate future public and private land use plans of the Town with the Miami-Dade County WASD to assist that agency in effectively planning for Cutler Bays' future growth.

Policy I1-2C: The Town will include the review and comment of Miami-Dade County's WASD in the development review process for Comprehensive Plan amendments, rezonings, site plan and plat approvals to help ensure the cost-efficient use of existing County water facilities and extension of new water service.

Objective I1-3

The Town will actively encourage all residents and businesses in Cutler Bay to conserve potable and non-potable water to the maximum extent possible.

Monitoring Measures I1-3

The promotion of water conservation by the Town through distributed brochures, pamphlets, and other media when appropriate.

Policy I1-3A: Town Hall shall serve as a central distribution point for South Florida Water Management District, Florida ERP and Miami-Dade County WASD news releases, brochures and public presentations on ways for homeowners, businesses and industry to conserve all forms of water resources.

Policy I1-3B: The Town's Land Development Regulations shall contain standards requiring the use of all feasible water-saving devices in new and renovation building construction.

Policy I1-3C: The Town's Land Development Regulations will contain the minimum standards for the use of water-saving "xeriscape" plants, watering techniques and landscape designs in existing and future developed areas of the Town.

Policy I1-3D: The Town will encourage homeowners and businesses in Cutler Bay to use non-potable water for landscaping and lawn care and maintenance.

Policy I1-3E: The Town will assist South Florida Water Management District in providing educational materials on innovative ways homeowners can landscape and install devices such as rainbarrels to collect rainwater for reuse within their own yards.

Policy I1-3F: Where feasible, the Town will assist Miami-Dade County WASD in the installation of treated re-used (grey) water lines in Cutler Bay for use in parks, on road Rights-of-Way and other appropriate landscaped areas with the Town limits.

Policy I1-3G: The Town will cooperate fully with emergency water conservation measures mandated by the South Florida Water Management District; including enforcement.



Objective I1-4

Town of Cutler Bay must adopt by reference its 2015 20-year Water Supply Facilities Work Plan Update, as required by section 163.3177(6)(c), F.S. within 18 months after the governing board of the South Florida Water Management District approves its 2013 Lower East Coast Water Supply Plan Update. The Work Plan will be updated, at a minimum, every 5 years. The Town of Cutler Bay 2015 20-year Water Supply Facilities Work Plan Update is designed to: assess current and projected potable water demands; evaluate the sources and capacities of available water supplies; and, identify those water supply projects, using all available technologies, necessary to meet the Town's water demands for a 20-year period.

Monitoring Measures I1-4

The Work Plan Update shall remain consistent with the County's 20-Year Supply Facilities Work Plan Update, which is compatible with the Miami-Dade County Water Use Permit renewals and with projects as listed in the South Florida Water Management District's 2013 Lower East Coast Regional Water Supply Plan Update. The Work Plan will be updated, at a minimum, every 5 years and within 18 months after the South Florida Water Management District's approval of an updated Lower East Coast Regional Water Supply Plan.

Policy I1-4A: Comply with the 2015 20-year Water Supply Facilities Work Plan Update adopted on May 28, 2015 and incorporate such work plan update into the Town of Cutler Bay Growth Management Plan.

Policy I1-4B: Coordinate appropriate aspects of its comprehensive plan (GmP) with the appropriate water management district's regional water supply plan.

GOAL 2 - SANITARY SEWER: The town will protect the health and safety of the public by ensuring wastewater treatment facilities and services are environmentally sound, cost effective, and meet the community's present and future needs.

Objective I2-1

Sanitary sewer services to the Town will meet or exceed the adopted LOS standard throughout the planning period.

Monitoring Measures I2-1

The Town will obtain annual reports showing the sanitary sewer LOS from Miami-Dade County WASD as available.

Policy I2-1A: The adopted Cutler Bay LOS standard for sanitary sewer service is 100 gallons per capita per day.

Policy I2-1B: The Town will monitor the planning, capital programming and construction programs of the Miami-Dade County WASD to help ensure that Cutler Bay residents, businesses and other town users are provided with sanitary sewer services in compliance with the adopted LOS standard throughout the planning period.

Policy I2-1C: The Town will review all development proposals through the concurrency process to make sure that if the proposed projects are constructed, the Town's adopted sanitary sewer LOS standards will be maintained.



Objective I2-2

The Town will coordinate with the Miami-Dade WASD to help ensure the cost-efficient use of existing sanitary sewer 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.

Monitoring Measures I2-2

The Town requests development reviews to assess sanitary sewer impacts from Miami-Dade County WASD.

Policy I2-2A: The Town will encourage future development into areas that are already served, or programmed to be served, by Miami-Dade County WASD sanitary sewer facilities.

Policy I2-2B: The Town will coordinate future land use plan amendments of the Town with the Miami-Dade County WASD to assist that agency in effectively planning for Cutler Bays' future infrastructure growth.

Policy I2-2C: The Town will include the review and comment of Miami-Dade County WASD in the development review process for Comprehensive Plan amendments, rezonings, site plan and plat approvals to help ensure the cost-efficient use of existing County sanitary sewer facilities and extension of new central sewer service.

Objective I2-3

The Town will coordinate with Miami-Dade County WASD to promote the reuse of treated wastewater for aquifer recharge and development of viable products and services.

Monitoring Measures I2-3

The annual measurement of grey water lines in linear feet installed in Cutler Bay.

Policy I2-3A: The Town will assist Miami-Dade County WASD any way possible to install treated re-used (grey) water lines in Cutler Bay for use in parks, on road Rights-of-Way and other appropriate landscaped areas within the Town limits.

Policy I2-3B: The Town will investigate the possibility of using fertilizers and other reuse products on public landscape areas within Cutler Bay.

Policy I2-3C: The Town will request Miami-Dade County WASD look at a creating a program to identify and replace undersized sanitary sewer lines within the Town of Cutler Bay.



GOAL 3 - STORMWATER MANAGEMENT (DRAINAGE): To protect the health and safety of the public by ensuring stormwater management facilities and services are properly maintained, environmentally sound, cost effective, and meet the community's present and future demands.

Objective I3-1

The Town will correct stormwater deficiencies and maintain adopted LOS standards. The Town will coordinate with South Florida Water Management District and Miami-Dade County to ensure that the Town's stormwater management system meets or exceeds adopted LOS design standards over the planning period.

Monitoring Measures I3-1

The correction of storm water management deficiencies by the allocation of sufficient funds. The annual number of development review applications where compliance with stormwater LOS standards is required.

Policy I3-1A: The Town of Cutler Bay shall maintain a LOS Standard for new and existing development, based on the following stormwater quantity and quality criteria:

- *Stormwater Quality Standard* - Stormwater facilities shall be designed to meet the design and performance standards established in Chapter 62-25, 25.025, F.A.C. as amended with treatment of the first 1 inch of rainfall runoff to meet water quality standards required by Chapter 62-302, 62-302.500, F.A.C., as amended.
- *Stormwater Quantity Standard* - Where two or more standards impact a specific development, the most restrictive standards shall apply:

Post-development runoff shall not exceed the pre-development runoff rate for a 25-year storm event, up to and including an event with a 24-hour duration. Treatment of the runoff from the first 1 inch of rainfall onsite or the first 0.5 inch of runoff, whichever is greater.

Policy I3-1B: The Town will seek funding sources to address existing stormwater deficiencies that will be identified in the Stormwater Master Plan when it is complete.

Policy I3-1C: The Town will review development proposals to make sure that when the proposed projects are constructed, the Town's adopted stormwater management LOS standard will be maintained.

Policy I3-1D: All structures shall be constructed at or above the minimum floor elevations specified in the Federal Insurance Rate Maps for Miami-Dade County and Cutler Bay.

Policy I3-1E: The Town will inspect and approve, if acceptable, the stormwater management facilities installed by developers, contractors and public agencies in Cutler Bay.



Objective I3-2

The Town will accommodate future growth needs through proper planning and effective coordination with the appropriate water management agencies.

Monitoring Measures I3-2

The programmed storm water projects in the Stormwater Master Plan approved by the Town Council in a timely manner.

Policy I3-2A: The Town will encourage future development into areas that are already served, or programmed to be served, by under-capacity stormwater management facilities.

Policy I3-2B: The Town will incorporate projects as they are identified and defined in the Stormwater Master Plan into the Five-Year Schedule of Capital Improvements contained in the Capital Improvements Element of this Growth Management Plan.

Policy I3-2C: The Town will update the Stormwater Master Plan every 7 years in order to ensure that future growth needs of the Town are prudently accommodated and planned for.

Policy I3-2D: The Town will actively coordinate the Town's stormwater planning, programming and construction with the South Florida Water Management District and Miami-Dade County.

Objective I3-3

The Town will use the Stormwater Master Plan process to ensure that private development and public infrastructure projects maintain required surface water quality standards and serve to recharge the groundwater aquifer.

Monitoring Measures I3-3

Projects reviewed in which there is an enhanced groundwater recharge and reduced run-off through stormwater management.

Policy I3-3A: A primary objective of the Stormwater Master Plan will be to protect the surface water quality through the Land Development Regulation requirements that will mandate acceptable paving and drainage plans, adequate open (pervious) space areas, and stormwater detention and retention in private development projects.

Objective I3-4

The Town will use the 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.

Monitoring Measures I3-4

Projects reviewed in which there is an enhanced groundwater recharge and reduced run-off through stormwater management.

Policy I3-4A: The Town will review the Land Development Regulations on a regular basis to ensure that all feasible options are being utilized to protect water quality and enhance groundwater recharge.



Objective I3-5

The Town will implement a proactive maintenance program to ensure that all current and future stormwater management facilities operate at designed capacity.

Monitoring Measures I3-5

On an annual basis, a certain amount of stormwater systems will be inspected.

Policy I3-5A: The Town will continue to ensure timely maintenance of existing and future stormwater facilities.

Policy I3-5B: The Town will conduct annual inspections of stormwater facilities and coordinate with Miami-Dade County and the South Florida Water Management District in reporting annual findings.

GOAL 4 - SOLID WASTE: The Town will promote efficient and economical balance of public and private solid waste collection and disposal services for the Town of Cutler Bay that will meet established requirements in a manner that will protect the public health, safety and environmental resources of the community.

Objective I4-1

The Town will coordinate with Miami-Dade County and licensed private solid waste haulers to help ensure the maintenance of a safe and dependable system in compliance with the adopted LOS.

Monitoring Measures I4-1

The Town will obtain annual reports showing the solid waste LOS from Miami-Dade County as available.

Policy I4-1A: The adopted Cutler Bay LOS standard for solid waste is 9.9 pounds per capita, per day and maintain solid waste disposal capacity sufficient to accommodate waste flows committed to the system through long-term interlocal agreements or contracts along with anticipated non-committed solid waste flows for a period of 5 years.

Policy I4-1B: The Town will monitor the solid waste planning, capital programming and construction programs of Miami-Dade County to help ensure that Cutler Bay residents, businesses and other town users are provided with solid waste services in compliance with the adopted LOS standard throughout the planning period.

Policy I4-1C: The Town will review all development proposals to make sure that when the proposed projects are constructed, the Town's adopted solid waste LOS standard will be maintained. Language and standards will be drafted for inclusion in the Land Development Regulations to require all new non-residential development to have on-site trash facilities (such as a dumpster) that are completely enclosed and screened from public view.

Policy I4-1D: The Town will coordinate land use amendments and rezonings with Miami-Dade County solid waste agency to assist them in effectively planning for Cutler Bays' future solid waste collection and disposal.



INFRASTRUCTURE ELEMENT

Policy I4-1E: The Town will ensure diligent monitoring of construction sites and vacant lots by Town personnel to prevent or abate illegal dumping activities.

Policy I4-1F: The Town will develop an ordinance that states that prior to a storm event, construction sites will be required to be clean of excess debris and fully secure all equipment and construction materials.

Objective I4-2

The Town will assist the County's Solid Waste Agency in promoting good recycling habits among the Town's residents and businesses

Monitoring Measures I4-2

The Town will promote solid waste recycling through distribution of brochures, pamphlets, and other media.

Policy I4-2A: The Town will promote the County's efforts to achieve its goals for countywide recycling in compliance with State mandated waste stream reduction objectives.

Policy I4-2B: The Town will encourage residents and businesses to recycle solid waste to the maximum extent possible.

Objective I4-3

The Town will assist Miami-Dade County in ensuring that hazardous materials are properly disposed of.

Monitoring Measures I4-3

The Town will promote proper handling and disposal of hazardous and toxic materials through annual distribution of brochures, pamphlets, and other media.

Policy I4-3A: The Town will cooperate with Miami-Dade County to assure that any hazardous wastes generated within the Town are properly managed to protect the environment.

Policy I4-3B: The Town will restrict and/or manage the use of hazardous materials through its Land Development Regulations and other appropriate mechanisms.

Policy I4-3C: The Town will assist Miami-Dade County in the preparation and maintenance of an up-to-date list of all businesses in the Town that store, use and/or dispose of hazardous and toxic materials and/or waste, and assist in their monitoring these establishments to ensure they have a current waste management and spill clean-up plan.

Policy I4-3D: The Town will coordinate with the Miami-Dade County Fire-Rescue Department to ensure they have a viable, rapid-response plan and the proper equipment for responding effectively to hazardous and toxic waste spills in the Town.

Policy I4-3E: The Town will use the Florida Building Code, occupational licensing and code enforcement procedures to monitor the management of hazardous materials within the Town.



GOAL 5 - NATURAL GROUNDWATER RESOURCES: The Town will continue to support and monitor county, South Florida Water Management District, state and federal efforts to protect, conserve and manage the quality and quantity of natural groundwater resources.

Objective I5-1

The Town will coordinate with Miami-Dade County, regional, state and federal water management agencies, to correct any documented recharge deficiencies and by supporting the projects identified in the South Florida Water Management District Acceler8 plan.

Monitoring Measures I5-1

The Town will update the Stormwater Master Plan, including groundwater recharge deficiencies, if needed.

Policy I5-1A: The Town will maintain and enhance, where appropriate, the capacity and periodicity of natural surface water drainage and recharge.

Policy I5-1B: The Town will comply with the water conservation policies of the South Florida Water Management District to conserve the potable water supply and protect the Town from saltwater intrusion, and protect groundwater recharge in accordance with Miami-Dade County standards, including the established salt barrier line.

Objective I5-2

The Town will assist Miami-Dade County, regional and state efforts, where appropriate, in the protection of the functions of natural groundwater recharge areas and natural drainage features in Cutler Bay.

Monitoring Measures I5-2

The Town will work in coordination with County and state agencies to serve new growth with adequate aquifer capacity, keeping in mind the protection of environmental resources.

Policy I5-2A: The Town will continue to enforce the on-site water retention standards for new development and redevelopment projects.

Policy I5-2B: The Town will develop language and standards such that all new development and redevelopment projects shall use retention, infiltration and detention systems pursuant to applicable regional and state standards.