

GOAL 4.0

THE CITY SHALL PROTECT INVESTMENTS IN EXISTING SANITARY SEWER, POTABLE WATER, SOLID WASTE, AND STORMWATER **DRAINAGE MANAGEMENT** FACILITIES, MAXIMIZE THE USE OF THESE FACILITIES, AND PROTECT THE QUALITY FOR BOTH SURFACE AND GROUNDWATER. THE CITY SHALL ENSURE THE AVAILABILITY OF SAFE AND ADEQUATE FACILITIES **AND SERVICES** TO MEET THE NEEDS OF CURRENT AND FUTURE RESIDENTS AND VISITORS.

OBJECTIVE 4.01. LEVEL OF SERVICE STANDARDS

The City shall ensure that, at the time a development order is issued, adequate facility or service capacity for sanitary sewer, potable water, solid waste, and stormwater drainage, fire-rescue and police and law enforcement protection is available or will be available when needed to serve the development. All system improvements for replacement, expansion, or increase in capacity shall comply with the adopted level of service standards for these facilities.

Policy 4.01.01.

The following level of service standards are hereby adopted, and shall be used as the basis for determining the availability of facility capacity and the demand generated by a development.

| Facility/Service Area | Level of Service Standard |
|--|--|
| <u>Sanitary Sewer Facilities</u> <u>Wastewater Treatment System</u> | Average Sewage Generation Rates: 172 gallons per capita per day with 1.2 peak factor <u>300 gallons per day per ERU (Equivalent Residential Unit)</u> |
| Solid Waste Facilities | Average Solid Waste Generation Rate: 5.9 pounds per capita per day |
| <u>Drainage Stormwater Management</u> Facilities | See Policy 4.02.01 |
| Potable Water Facilities | Water Allocation Level of Service: 350 gallons per day per ERU <u>(Equivalent Residential Unit)</u> |
| <u>Fire-Rescue Services</u> | <u>240-second travel time to 90% of the incidents (EMS with AED or BLS) & 480-second travel time to 90% of the incidents (ALS Response)</u> |
| <u>Police and Law Enforcement Services</u> | <u>Response Time: 3 minutes or less for emergency calls and 7 minutes or less for non-emergency calls</u> |

Policy 4.01.02.

All subdivisions, multifamily, commercial, industrial, city, and institutional projects shall provide for retention of stormwater resulting from within the boundaries of the project, unless off-site shared facilities are available. For projects within areas designated for “zero discharge,” storage shall accommodate a ten (10)-year, twenty-four (24)-hour storm event. For all other areas, retention shall accommodate the greater of: (a) the first one-half (1/2) inch of stormwater within the boundaries of their project, or (b) the first one (1) inch of storm flow from all roofs, sidewalks, paved surfaces, and

parking areas (at 100 percent runoff), whether paved or not. The project shall also provide detention for all storm flows. Detention shall prevent peak flows after development from exceeding the peak flow prior to development.

Policy 4.01.03.

Reserved.

Policy 4.01.04.~~3.~~

In order to ensure that ~~these~~ ~~levels~~ of service standards are maintained, methodologies for determining available capacity and demand shall incorporate appropriate peak demand coefficients for each facility or service and for the type of development proposed.

Policy 4.01.05.~~4.~~

All improvements for replacement, expansion, or increase in capacity of facilities or services shall comply with the adopted level of service standards for the facilities.

OBJECTIVE 4.02. WASTEWATER TREATMENT SYSTEMS

The City shall ensure the availability of wastewater treatment systems for all development, consistent with water quality standards and the adopted level of service standards.

Policy 4.02.01.

The City shall extend wastewater lines as necessary in order to meet the needs of residents and avoid use of onsite wastewater treatment. The City shall correct any deficiencies in the wastewater treatment system through the implementation of additional programs and through the construction of capital improvements.

Policy 4.02.04.~~2.~~

On-site wastewater treatment systems shall be limited to areas currently using septic tanks.

- a. Existing septic tanks may remain in service until such time as local service is made available to the residents, when municipal service becomes available the City shall require connection to the central wastewater treatment system as consistent with County Health Department requirements within one (1) year of notification by the City that such a system is available as defined in Chapter 10D-Section 6.042, Florida Administrative Code (FAC). The City shall establish procedures for the notification of sewer availability.
- b. In areas where central wastewater treatment is not available, the issuance of building permits will be conditioned upon demonstration of compliance with applicable federal, State and local permit requirements for on-site wastewater treatment systems. On-site wastewater systems shall be inspected and tank pumped every five (5) years and as compliant with Department of Health requirements contained in F.S.381.065.

Policy 4.02.02~~3.~~

~~New subdivisions~~ All new residential and non-residential development and redevelopment shall be required to connect to the central sewer system. No new septic tanks will be permitted.

Policy 4.02.04

The City shall identify the locations of all wastewater services extending outside of the City limits and shall document locations where wastewater services have been extended but are not within the City limits for purposes of creating a comprehensive service area and annexation strategy.

Policy 4.02.05

As the City continues to expand its wastewater treatment plants, all facilities shall be screened, landscaped, buffered and developed with consideration for aesthetics.

Policy 4.02.06

The City shall coordinate with the SJRWMD and other state agencies in identifying and eliminating discharges of inadequately treated wastewater, including an identification of sources, notification to property owners of sites with a discharge of inadequately treated wastewater regarding options for retrofit to eliminate the discharge, and follow-up to ensure that the inadequately treated discharge has been eliminated. This effort shall be on-going.

OBJECTIVE 4.03. POTABLE WATER SYSTEM AND GROUND WATER RESOURCES

The City's land development regulations shall ensure that potable water systems are developed, operated and maintained in an environmentally sound and economically efficient system in order to meet the current and future needs of the City and ensure that groundwater resources are conserved and protected from adverse any contamination.

Policy 4.03.01

The City shall provide a safe and adequate supply of potable water to meet the demands of residents in the City. The City shall identify and correct any deficiencies in the water system through the implementation of additional programs and coordinating the extension or expansion of facilities as increased capacity is needed.

Policy 4.04.03:

The City shall continually ensure that the capacity of the potable water system is sufficient to meet demand, coordinating the extension or expansion of facilities as increased capacity is needed.

Policy 4.03.02

Consistent with public health and safety, sanitary sewer, solid waste, drainage, adequate water supplies, and potable water facilities shall be in place and available to serve new development no later than the issuance by the local government of a certificate of occupancy or its functional equivalent. Prior to approval of a building permit or its functional equivalent, the City shall consult with the applicable water supplier to determine whether adequate water supplies to serve the new development will be available no later than the anticipated date of issuance by the local government of a certificate of occupancy or its functional equivalent. The City may meet the concurrency requirement for sanitary sewer through the use of onsite sewage treatment and disposal systems approved by the Department of Health to serve new development.

Policy 4.03.03

The City shall identify the locations of all potable water services extending outside of the City limits and shall document locations where potable water services have been extended but are not within the City limits for purposes of creating a comprehensive service area and annexation strategy.

Policy 4.03.~~01~~ 04.

All available and credible data, including, but not limited to, data from the DEP, SJRWMD, and the ~~NEFRPC~~-NEFRC, will be used as sources for the identification and protection of water resources.

Policy 4.03.~~04~~ 05.

By December 2013, the City shall evaluate the feasibility of a reclaimed water program for uses, such as irrigation, that do not require potable water. When a reclaimed water program is determined to be feasible, the City shall establish a reclaimed water program. The City will expand the availability of reclaimed water as the City determines it is economically feasible and practical to expand the program.

Policy 4.03.~~02~~ 06.

The City shall coordinate with the SJRWMD to ensure that continued adequate water supplies are identified and available to serve the needs of the City. Specifically, the City shall establish water conservation programs and methods, including requiring installation of water saving devices and irrigation systems designed to accept reclaimed water in new construction and reconstruction projects, limitations on irrigation, and other methods as they are identified.

Policy 4.03.~~03~~ 07.

In an effort to conserve and protect the City's groundwater resources, the City shall encourage the pulp mill industries and City facilities in the reuse of reclaimed wastewater from sources such as the City's wastewater treatment plant.

Policy 4.03.~~05~~ 08.

In order to comply with potable water conservation policies of the SJRWMD and the NEFRPC NEFRC, and to achieve a reduction in the current rates of water consumption, the City's land development regulations shall include the following standards:

- a. Non-potable alternative sources of irrigation water such as wastewater/ stormwater reuse, wastewater / stormwater recovery systems and non-potable water supplies shall be used to meet irrigation needs, when available Installation of irrigation systems designed to accept non potable water and connection to a nonpotable water distribution system, when feasible and available;
- b. Water-saving plumbing fixtures shall be required on all new development; and
- c. Fifty (50) Seventy-Five (75) percent of all landscaped areas shall consist of Florida Friendly, native or drought-tolerant vegetation.
- d. Require developments to conform to the State Water Conservation Act.

Policy 4.03.09.

By December 2012, the City shall provide standards, adopt best management practices and develop land development regulations that reduce impervious areas and support low impact development (LID) measures on both City projects and private development in order to mitigate the effect of impervious surfaces and stormwater pollutants on increased runoff volumes. LID design measures may include, but are not limited to, bio-retention areas, porous pavement, roof gardens, rainwater/stormwater recycling, bioswales, etc.

Policy 4.03.10.

The City shall provide incentives for new residential and nonresidential development that incorporate low impact development strategies and use of native, drought tolerant or "Florida Friendly"

landscaping including, but not limited to, density bonuses, expedited permit review or reduced water and wastewater impact fees.

Policy 4.03.11.

The City shall, as determined that it is feasible, retrofit existing public irrigation systems to utilize reclaimed water or other non-potable water sources as soon as it becomes available. Projects to extend non-potable water lines shall be planned and budgeted for in the Capital Improvements Plan.

Policy 4.03.06~~12~~.

Voluntary Water conservation measures, as defined by the SJRWMD, shall be promoted and become mandatory during water shortage emergencies for all potable water users including domestic, public, institutional, industrial, commercial, and agricultural.

Policy 4.04.01~~4.03.13~~.

The City shall ensure that funds are available in the Capital Improvements Plan for renewal and replacement of old, outdated, or otherwise ~~deficient~~ inefficient City facilities and fixtures to upgrade to less consumptive and energy efficient fixtures such as tankless water heaters, low flow faucets and toilets, provide for increased insulation r-value in walls and attics, CFL light fixtures, Low-e glass in all exterior doors and windows, efficient HVAC equipment, variable speed air handlers with 16 SEER minimum rating.

Policy 4.04.02~~4.03.14~~.

The City shall continue the leak detection program and system audit to ensure continued reductions in unaccounted water.

Policy 4.03.15

The City shall continue implementing the water conservation practices as detailed in the City's consumptive use permit (CUP) and CUP-related water conservation plan.

OBJECTIVE 4.04. — POTABLE WATER SYSTEM (MOVED TO OBJECTIVE 4.03)

~~The City shall provide a safe and adequate supply of potable water to meet the needs of residents in the water service area. The City shall correct existing deficiencies in the water system through the implementation of additional programs and through the construction of capital improvements.~~

~~Policy 4.04.01.~~

~~The City shall ensure that funds are available for renewal and replacement of old, outdated, or otherwise deficient facilities to upgraded less consumptive and energy efficient fixtures such as tankless water heaters, low flow faucets and toilets.~~

~~Policy 4.04.02.~~

~~The City shall continue the leak detection program and system audit to ensure continued reductions in unaccounted water.~~

~~Policy 4.04.03.~~

~~The City shall continually ensure that the capacity of the potable water system is sufficient to meet demand, coordinating the extension or expansion of facilities as increased capacity is needed.~~

Policy 4.04.04

~~“The City shall evaluate its ability to provide reclaimed water for municipal, residential and commercial landscaping.”~~

OBJECTIVE 4.05. — WATER SUPPLY FACILITIES WORK PLAN STATUTORY REQUIREMENT REMOVED- OUTDATED OBJECTIVE PER SJRWMD

~~The City shall maintain a Water Supply Facilities Work Plan during the planning period. The Work Plan will address water supply facilities necessary to serve existing and future development within the City’s water service area.~~

Policy 4.05.01. —

~~The Water Supply Facilities Work Plan will be updated as required by updates to the SJRWMD’s District Water Supply Plan.~~

Policy 4.05.02.

~~The components of the Water Supply Facilities Work Plan are contained in the Public Facilities Element, the Potable Water System and Groundwater Resources Objective Sub-element, the Conservation and Coastal Management Element, the Intergovernmental Coordination Element, and the Capital Improvements Element of the FBCP. Each element will be coordinated with the District Water Supply Plan and updated as required by updates by the SJRWMD.~~

Policy 4.05.03.

~~In the implementation of the Water Supply Facilities Work Plan, the City will coordinate with the SJRWMD and Nassau County regarding sources of water, including reclaimed water and water conservation, to meet water supply needs.~~

Policy 4.05.04.

~~The annual water consumption for the City’s water service area will be equal to or less than the amount allocated under the consumptive use permit or the projected demand in the District Water Supply Plan.~~

OBJECTIVE 4.064. SOLID WASTE AND RECYCLING

~~A solid waste disposal system will be maintained to ensure the safe disposal or recycling of solid waste, utilizing the most financially and environmentally acceptable means.~~

The City shall provide for the collection and disposal of solid waste, recyclable materials and hazardous waste on a regular basis in order to maintain the appearance of the City, to protect the environment and ensure public health through the most economic and efficient means.

Policy 4.064.01.

The City shall continue to reduce the amount of waste requiring disposal through the development of cost-effective measures, including recycling programs that are consistent with the requirements of the Resource Recovery and Management Act, Chapter 403, Part IV, Florida Statutes.

Policy 4.04.02

The City shall prepare a waste management plan to identify specific recycling targets and waste reduction goals by December 2013.

Policy 4.04.03.

The City will maintain or decrease the per capita solid waste generation rate through the promotion of recycling programs in order to help achieve the statewide recycling goal of 75% by **December** 2020.

Policy 4.04.04.

The City will continue to ensure the curbside collection of household recyclables and seek to expand items that may be collected.

Policy 4.04.05.

The City will continue to fund and maintain a City Recycling Station for the collection of, at a minimum, cardboard, glass, plastics and aluminum materials.

Policy 4.04.06.

The City will continue to hold annual and/or semi-annual recycle collection events and hazardous waste disposal events, as feasible.

Policy 4.04.07.

The City will utilize its website and/or other communications to advise citizens of recycling options and events.

Policy 4.04.08.

The City shall develop guidelines and/or policies for the procurement of sustainably sourced products including but not limited to, products made with recycled material, by **December** 2013.

Policy 4.04.09.

The City shall expand its recycling program to include local businesses.

Policy 4.-~~4.02~~ 10.

The City shall continue to seek funding from State, County and private sources to assist in the operation and expansion of its recycling programs.

Policy 4.06.03.

The City shall promote new and expanded markets for products and materials created from recycled wastes through cooperative local, State, and federal efforts.

Policy 4.06.04.

The City will continue to seek State funding for the purpose of establishing and expanding its proposed recycling program.

OBJECTIVE 4.075. STORMWATER DRAINAGE PLANNING MANAGEMENT

By September 2007, the City shall prepare and periodically update a master drainage plan, which shall provide for adequate stormwater drainage to afford reasonable protection from flooding, minimize degradation of receiving waters, and protect natural drainage features. (Amended 12/19/2006 by Ordinance 2006-28)

The City of Fernandina Beach shall provide stormwater management programs which:

- prevent and mitigate the losses, cost and human suffering caused by flooding;
- protect natural and beneficial functions of the floodplain;
- protect water quality by preventing further degradation of water resources;
- enhance water quality where appropriate;

- enhance, protect and conserve the hydrologic and ecological functions of natural systems including estuaries, freshwater and ground water systems; and
- ensure safe, efficient economical and sustainable water supplies.

Policy 4.05.01

The City shall provide and maintain a drainage system that meets the needs of City residents. The City shall identify and correct existing deficiencies in the Capital Improvements Plan in the stormwater management system through the implementation of additional programs and coordinating the extension or expansion of facilities as increased capacity is needed.

Policy 4.07.02.

The City shall prepare and periodically update a drainage evaluation study and stormwater management plan which will:

- a. Determine the volume, rate, timing, and pollutant load of runoffs where improvements have been made;
- b. Identify areas which have recurring drainage problems;
- c. Evaluate the extent to which water bodies are being impacted by the City's stormwater discharges;
- d. Determine where additional improvements are needed;
- e. Require that stormwater improvements be planned and budgeted for capital outlays in the Capital Improvements Plan; and
- f. Identify and adopt necessary funding sources to implement the stormwater management plan.

Policy 4.07.03.

~~“Upon completion of the stormwater master drainage plan, the City shall identify procedures for correcting deficiencies and anticipating projected needs.”~~

Policy 4.05.03.

The City shall maintain existing and develop new drainage systems for handling runoff from frequently occurring (2,5, and 10 year) storm events, consistent with the Future Land Use Element.

Policy 4.05.04.

The City shall maintain existing and develop new drainage systems and regulated floodways for handling seldom occurring 25 and 50 year storm events.

Policy 4.05.05.

The City shall ensure that all stormwater management and drainage facilities comply with existing local, State, and Federal stormwater management ordinances and regulations.

Policy 4.7504-06.

The City shall require that new developments provide drainage systems, which meet the following standards:

- a. Water quantity level of service;
- b. Water quality level of service;
- c. Incorporation of low impact development strategies (LID);
- d. Coordination with the drainage systems of the City and the County; and
- e. Standards of the SJRWMD.

Policy 4.05.07

The City shall further protect groundwater from point and nonpoint pollution sources by assisting the State and the SJRWMD in managing water quality by preventing the discharge of poor quality stormwater into public water bodies.

- a. Surface water management systems shall be designed and constructed to meet the following standards:
 1. Limit the allowable stormwater peak discharge as required in Policy 4.01.02.
 2. Incorporate a floodplain management standard which requires that no flood storage net reduction occur for any development within the impacted area. The intent is to allow some development to occur in the 100-year floodplain but only where drainage improvements are constructed which provide compensatory storage in order to alleviate flood problems within the impacted area. However, no development shall be allowed within the 100-year floodway.
- b. All lakes and major tributaries within the City are class III waters. The City shall limit dredging activities to those that are approved by the DEP. Furthermore, the City shall ensure good water quality by coordinating with the DEP and the SJRWMD in monitoring the quality of stormwater run-off and all discharge. The City shall notify the appropriate agency with jurisdiction as potential issues or problems are identified. The City shall limit the use of class III waters to water dependent activities that are not contrary to the public interest and satisfy a community need.
- c. Water Quality Standard. Stormwater facilities shall be designed to meet the design and performance standards established in chapters 62-25 and 62-40, F.A.C., with treatment of the runoff from the first one (1) inch of rainfall on-site to meet the water quality standards required by chapter 62-302, F.A.C. Stormwater discharge facilities must be designed so as not to degrade the receiving water body below the minimum conditions necessary to assure the suitability of water for the designated use of its classification as established in chapter 62-3, F.A.C. Where a conflict exists between two (2) or more LOS standards, the more restrictive standard shall be enforced.

Policy 4.05.08.

Pervious paving materials shall be required for all new and redeveloping residential, non-residential, and public parking areas, driveways and walkways. Such areas must also demonstrate ADA compliance.

Policy 4.05.09.

All drainage improvements shall utilize low impact development (LID) practices as part of their overall drainage scheme.

Policy 4.05.10

By **December** 2012, the City shall provide design standards for low impact design (LID) measures to mitigate the effect of impervious surfaces and stormwater pollutants on increased runoff volumes.

Policy 4.05.11.

To protect water quality, stormwater management system designs shall conform to the following performance standards:

1. No discharge from any storm water facility shall cause or contribute to a violation of water quality standards in waters of the State. To meet this requirement:
 - a. All stormwater systems for new development and redevelopment shall include features to minimize pollution from oil, suspended solids and other objectionable materials. Such features shall be designated to treat the runoff resulting from the first one inch

- (1") of rainfall. Stormwater systems shall include additional measures designed to reduce floating and suspended solids to a minimum. Higher design criteria for water treatment shall apply if such criteria are necessary to meet and maintain the level of service or to protect water bodies (such as potable surface waters or Florida Outstanding Waters) which require higher levels of protection. The higher design criteria shall be based on a treatment system which treats 1.5 times the volume required for the selected treatment system or equivalent.
- b. New development and re-development shall provide mitigation measures and Best Management Practices to control pollutants specific to the pollutant characteristics of the proposed land use.
 - c. Mitigation measures and best management practices relating to drainage shall be taken during construction activities to ensure that water quality is not degraded during the land clearing and construction of development. No cutting, clearing grading or filling shall be accomplished on any site under development unless appropriate devices have been installed to minimize pollution from objectionable materials, to control erosion and to remove sediment from surface water runoff. Appropriate techniques shall also be utilized to stabilize and re-vegetate disturbed areas as soon as possible.
2. Best Management Practices shall be encouraged for intensive industrial land use practices that negatively impact water quality.

Policy 4.05.12.

New developments and re-development projects shall be designed to maintain the water quantity level of service standard and to minimize adverse stormwater impacts. Stormwater runoff shall not be diverted or discharged in such a way as to cause an adverse increase in off-site flood stages or have an adverse impact upon natural system values and functions. Stormwater management plan designs shall provide for the attenuation/retention of stormwater from the site. Water released from the site shall be in such a manner as to ensure that no adverse increases in off-site flood stages will result for up to and including a 100-year, 24-hour storm.

Policy 4.05.13.

Stormwater facilities shall be designed to meet the design and performance standards established in chapters 62-25 and 62-40, F.A.C., with treatment of the runoff from the first one (1) inch of rainfall on-site to meet the water quality standards required by chapter 62-302, F.A.C. Stormwater discharge facilities must be designed so as not to degrade the receiving water body below the minimum conditions necessary to assure the suitability of water for the designated use of its classification as established in chapter 62-3, F.A.C. Where a conflict exists between two (2) or more LOS standards, the more restrictive standard shall be enforced.

Policy 4.05.14.

Stormwater management systems in new developments shall be designed and constructed to provide maximum water quality and habitat benefits through appropriate side slopes, littoral zones, and adjacent uplands components.

Policy 4.05.15.

Surface water management systems shall be designed and constructed to incorporate a floodplain management standard which requires that no flood storage net reduction occur for any development within the impacted area. The intent is to allow some development to occur in the 100-year floodplain but only where drainage improvements are constructed which provide compensatory storage in order

to alleviate flood problems within the impacted area. However, no development shall be allowed within the 100-year floodway.

Policy 4.05.16.

Stormwater management systems in new developments shall provide retention/detention of stormwater runoff or use of natural vegetated areas such as bioswales, vegetated buffers, and constructed wetlands in order to maintain surface water quality, to ensure percolation, utilize low impact development practices, and to reduce contamination to drainage canals, surface water, and groundwater. To ensure the continued optimal function of retention/detention facilities or vegetated natural areas, the City shall coordinate with the SJRWMD in its periodic inspection of permitted facilities.

Policy 4.05.17.

In conformance with State and federal regulations, commercial establishments which use, treat, store, generate, or transport toxic or hazardous substances shall prepare a plan which identifies the materials and how these materials will be handled and disposed of to preclude invasion of stormwater systems.

Policy 4.05.18.

Irrigation systems for new development and redevelopment and all municipal projects are required to be designed and installed to accept nonpotable water for landscape irrigation.

Policy 4.05.19.

The City shall coordinate with SJRWMD and other State agencies to ensure that inadequately treated stormwater runoff into waters of the State are eliminated consistent with the standards established in the adopted master drainage plan.

Policy 4.05.20.

The City shall pursue opportunities for off-site public or private regional stormwater attenuation/retention facilities to be used to accomplish stormwater attenuation requirements.

Policy 4.05.21.

The City shall deny approval of any developments that impact water resources, unless they conform to local or regional comprehensive water basin management plans and Rule 17-25, Florida Administrative Code (FAC).

Policy 4.05.22.

The City shall require property owners and Home Owner Associations (HOAs) to properly maintain stormwater management systems in accordance with the SJRWMD permitting requirements and the City's stormwater management requirements.

OBJECTIVE 4.08. — WATER QUALITY AND WATER CONSERVATION (ENTIRE OBJECTIVE RELOCATED TO EITHER STORMWATER OBJECTIVE OR CCME)

The City shall ensure the provision of maximum feasible water quality and shall ensure that the impacts of point and non-point pollution sources to surface waters within the City are minimized.

Policy 4.08.01. MOVED TO STORMWATER OBJECTIVE ABOVE

~~Stormwater management systems in new developments shall be designed and constructed to provide maximum water quality and habitat benefits through appropriate side slopes, littoral zones, and adjacent uplands components.~~

Policy 4.08.02. MOVED TO STORMWATER OBJECTIVE ABOVE

~~Stormwater management systems in new developments shall provide retention/detention of stormwater runoff to maintain surface water quality, to ensure percolation, and to reduce contamination to drainage canals, surface water, and groundwater. To ensure the continued function of retention/detention facilities, the City shall coordinate with the SJRWMD in its periodic inspection of permitted facilities.~~

Policy 4.08.03. MOVED TO STORMWATER OBJECTIVE ABOVE

~~In conformance with State and federal regulations, commercial establishments which use, treat, store, generate, or transport toxic or hazardous substances shall prepare a plan which identifies the materials and how these materials will be handled and disposed of to preclude invasion of stormwater systems.~~

Policy 4.08.04. MOVED TO CCM ELEMENT

~~The City shall prohibit any development activity that would potentially endanger lives and/or harm property, water quality and quantity, or any other valued environmental system resulting from an alteration to existing drainage structures and natural drainage patterns.~~

Policy 4.08.05. MOVED TO STORMWATER OBJECTIVE ABOVE

~~New development and redevelopment and all municipal projects should shall be encouraged required to utilize stormwater management systems for urban landscape irrigation.~~

Policy 4.08.06. MOVED TO STORMWATER OBJECTIVE ABOVE

- ~~a. The City shall coordinate with the SJRWMD and other State agencies in identifying and eliminating discharges of inadequately treated wastewater, including an identification of sources, notification to property owners of sites with a discharge of inadequately treated wastewater regarding options for retrofit to eliminate the discharge, and follow up to ensure that the inadequately treated discharge has been eliminated. This effort shall be on going.~~
- ~~b. The City shall coordinate with SJRWMD and other State agencies to ensure that inadequately treated stormwater runoff into waters of the State is are eliminated consistent with the standards established in the adopted master drainage plan."~~

Policy 4.08.07. MOVED TO CCM ELEMENT

~~The City shall include water efficient landscaping at all City facilities by using site adapted plants; reducing potable water consumption and using reclaimed water whenever possible and using micro-irrigation systems and efficient watering methods to reduce energy expenditures and maximize water conservation.~~

Policy 4.08.08. MOVED TO CCM ELEMENT

~~The City shall use native plant species and bio diversity to the greatest extent possible and shall not use invasive species, as components of landscaping at all City facilities.~~

Policy 4.08.09. MOVED TO CCM ELEMENT

~~The City shall require conservation-based landscape planning and installation, water efficient irrigation and appropriate measures that promote conservation of water resources as part of sustainable water management.~~

Policy 4.08.07 10. MOVED TO STORMWATER OBJECTIVE ABOVE

~~The City shall further protect groundwater from point and nonpoint pollution sources by assisting the State and the SJRWMD in managing water quality by preventing the discharge of poor quality stormwater into public water bodies:~~

- ~~d. Surface water management systems shall be designed and constructed to meet the following standards:
 - ~~3. Limit the allowable stormwater peak discharge as required in Policy 4.01.02.~~
 - ~~4. Incorporate a floodplain management standard which requires that no flood storage net reduction occur for any development within the impacted area. The intent is to allow some development to occur in the 100 year floodplain but only where drainage improvements are constructed which provide compensatory storage in order to alleviate flood problems within the impacted area. However, no development shall be allowed within the 100 year floodway.~~~~
- ~~e. All lakes and major tributaries within the City are class III waters. The City shall limit dredging activities to those that are approved by the DEP. Furthermore, the City shall ensure good water quality by coordinating with the DEP and the SJRWMD in monitoring the quality of stormwater run off and all discharge. The City shall notify the appropriate agency with jurisdiction as potential issues or problems are identified. The City shall limit the use of class III waters to water dependent activities that are not contrary to the public interest and satisfy a community need.~~
- ~~f. Water Quality Standard. Stormwater facilities shall be designed to meet the design and performance standards established in chapters 62-25 and 62-40, F.A.C., with treatment of the runoff from the first one (1) inch of rainfall on site to meet the water quality standards required by chapter 62-302, F.A.C. Stormwater discharge facilities must be designed so as not to degrade the receiving water body below the minimum conditions necessary to assure the suitability of water for the designated use of its classification as established in chapter 62-3, F.A.C. Where a conflict exists between two (2) or more LOS standards, the more restrictive standard shall be enforced.~~

Policy 4.08.11 MOVED TO STORMWATER OBJECTIVE ABOVE

~~Surface water management systems shall be designed and constructed to meet the following standards:~~

- ~~1. Limit the allowable stormwater peak discharge as required in Policy 4.01.02.~~
- ~~2. Incorporate a floodplain management standard which requires that no flood storage net reduction occur for any development within the impacted area. The intent is to allow some development to occur in the 100 year floodplain but only where drainage improvements are constructed which provide compensatory storage in order to alleviate flood problems within the impacted area. However, no development shall be allowed within the 100 year floodway.~~

Policy 4.08.12 MOVED TO CCM ELEMENT

~~All lakes and major tributaries within the City are class III waters. The City shall limit dredging activities to those that are approved by the DEP. Furthermore, the City shall ensure good water quality by coordinating with the DEP and the SJRWMD in monitoring the quality of stormwater run off and all discharge. The City shall notify the appropriate agency with jurisdiction as potential issues or problems are identified. The City shall limit the use of class III waters to water dependent activities that are not contrary to the public interest and satisfy a community need.~~

Policy 4.08.13. ~~MOVED TO STORMWATER OBJECTIVE ABOVE (overlap with 4.07.09??)~~

~~Water Quality Standard. Stormwater facilities shall be designed to meet the design and performance standards established in chapters 62-25 and 62-40, F.A.C., with treatment of the runoff from the first one (1) inch of rainfall on-site to meet the water quality standards required by chapter 62-302, F.A.C. Stormwater discharge facilities must be designed so as not to degrade the receiving water body below the minimum conditions necessary to assure the suitability of water for the designated use of its classification as established in chapter 62-3, F.A.C. Where a conflict exists between two (2) or more LOS standards, the more restrictive standard shall be enforced.~~

Policy 4.08.08 ~~14. MOVED TO CCM ELEMENT~~

~~The City shall prohibit new direct wastewater discharges to surface waters, unless it is part of a wetland treatment process certified by the DEP and a local permit has been obtained.~~

Policy 4.08.09 ~~15. MOVED TO CCM ELEMENT~~

~~The City shall assist the SJRWMD in managing water quality by developing and implementing methods for eliminating the discharge of inadequately treated wastewater and stormwater into waters of the State. The City shall require all new discharge to waters of the State to be consistent with State standards as stated in the Florida Administrative Code.~~

Policy 4.08.16 ~~MOVED TO CCM ELEMENT~~

~~The City shall develop community outreach materials and/or programs to educate the public on water conservation and personal pollution reduction measures.~~

Policy 4.08.17. ~~MOVED TO CCM ELEMENT~~

~~The City shall advise its citizens of the dangers associated with non point source pollution addressing, at a minimum, the following:~~

- ~~a. Proper pesticide and fertilizer application practices;~~
- ~~b. Use of turf blocks for patios, sidewalks, driveways, etc., to prevent increasing impervious surface area;~~
- ~~c. The importance of maintaining motor vehicles to prevent the accumulations of oils, grease, transmission fluid etc., on driveways; and~~
- ~~d. The importance of regularly collecting and properly composting yard debris to prevent the accumulation of other debris which can adversely affect surface water quality.~~

OBJECTIVE 4.09. — MANAGING SURFICIAL AQUIFER RECHARGE (~~ENTIRE OBJECTIVE MOVED TO CCME~~)

~~The City shall manage the natural ground water surficial aquifer recharge conditions and functions in a safe, effective and reliable manner in coordination with the County, the DEP, and the SJRWMD.~~

~~Policy 4.09.01.~~

~~The City will utilize the **Ground Water Beach Resource Availability Inventory study** for determining groundwater basins with the potential for recharge. If basins in the City are identified as recharge areas, the City shall then develop and implement protection measures which will protect the areas from impacts from developments.~~

~~Policy 4.09.02. —~~

~~During the site plan review process, the City shall ensure the protection of groundwater recharge through one (1) or more of the following techniques:~~

- ~~a. Minimum open space standards;~~
- ~~b. Maximum impervious surface standards, including encouraging the use of pervious paving materials to reduce the extent of impervious surfaces;~~
- ~~c. Requiring French drains, slab covered trenches or drainage wells, and limitations on overflows;~~
- ~~d. Allowing direct overland flow discharge to surface waters only when no other practical or effective method of stormwater discharge is possible; and~~
- ~~e. Allowing positive drainage discharge to surface waters only when other methods are impractical or impossible, and only when adequate pollution control (grit and grease) is provided.~~

~~*Policy 4.09.03.*~~

~~The City's land development regulations shall include land use controls, performance criteria, special erosion controls, stormwater management and water quality controls, landscaping, and flood management regulations that ensure adequate on site retention and ground water recharge. These regulations shall also ensure that surplus runoff is directed to receiving waterways in a manner that prevents imbalance to their ecosystems. The programs shall be continually updated based on improved knowledge of problems, issues, and best management practices.~~

~~*Policy 4.09.04.*~~

~~The City shall ensure coordination of watershed management plans and policies, with appropriate local, regional, State and federal agencies. These agencies shall include but are not limited to Nassau County, SJRWMD, the NEFRPC, NEFRC, the DEP, the Agricultural Extension Service, the United States Army Corps of Engineers, and the U.S. Fish and Wildlife Service.~~

OBJECTIVE 4.06. FIRE-RESCUE SERVICES

The goal of the Fernandina Beach Fire-Rescue Department (FBFRD) is to provide prompt, efficient and professional response to protect and care for the lives and property of all residents, businesses, and visitors in our community in the event of an emergency. FBFRD will strive to reduce the level of risk to our community by identifying dangerous and harmful conditions that exist. FBFRD will make every effort to educate the public on how to recognize and prevent these dangerous conditions prior to an emergency situation that could cause harm to their lives and property.

Policy 4.06.01.

The FBFRD shall provide the following services to the City: fire suppression, advanced life support/emergency medical response, hazardous materials incident mitigation, fire prevention, public safety services, ocean rescue, and emergency preparedness.

Policy 4.06.02.

All members of the FBFRD Operations Division shall be cross-trained to provide fire suppression and emergency medical responses. Each employee shall be professionally trained and certified by the State of Florida as a Firefighter/Emergency Medical Technician or a Firefighter/Paramedic.

Policy 4.06.03.

The FBFRD shall operate the fire stations, strive to meet the staffing recommendations of the National Fire Protection Association (NFPA) standards and be prepared to respond to emergency and non-emergency service calls 24 hours a day, 365 days a year.

Policy 4.06.04.

The FBFRD shall prepare and adopt a Fire Rescue Master Plan by December 2014.

Policy 4.06.05.

The FBFRD shall maintain a Public Protection Classification rating of "5" or lower as evaluated by Insurance Services Office (ISO).

Policy 4.06.06.

Fire suppression operations shall be organized to ensure that the FBFRD's fire suppression capability encompasses deployment of personnel, equipment, and resources for an initial arriving company, the initial full alarm assignment, and provisions for additional alarm assignments.

Policy 4.06.07.

Supervisory chief officers shall be dispatched or notified to respond to all full alarm assignments. The supervisory chief officer shall ensure that the incident management system is established.

Policy 4.06.08.

The FBFRD's fire suppression resources shall be deployed to provide for the arrival of an engine company within a 240-second travel time to 90 percent of the incidents in the city.

Policy 4.06.09.

FBFRD's Emergency Medical Services (EMS) operations shall be organized to ensure that the fire-rescue department's emergency medical capability includes personnel, equipment, and resources to deploy the initial arriving company and additional alarm assignments.

Policy 4.06.10.

The basic treatment levels within the EMS system shall be categorized as first responder, basic life support (BLS), and advanced life support (ALS). The minimal level of training for all fire fighters that respond to emergency incidents shall be to the first responder/AED level.

Policy 4.06.11.

The FBFRD shall provide the following components of an EMS system;

- 1) Initial response to provide medical treatment at the location of the emergency (first responder with AED capability or higher)
- 2) BLS response
- 3) ALS response
- 4) Patient transport in an ambulance or alternative vehicle designed to provide for uninterrupted patient care at the ALS or BLS level while en route to a medical facility
- 5) Assurance of response and medical care through a quality management program

Policy 4.06.12.

The FBFRD's EMS is responsible for providing a first responder with an automated external defibrillator (AED) and shall be deployed to provide for the arrival of a first responder with AED company within a 240-second travel time to 90 percent of the incidents. The FBFRD's EMS is responsible for providing an advanced life support (ALS) response and shall be deployed to provide for the arrival of an ALS company within a 480-second travel time to 90 percent of the incidents provided a first responder with AED or BLS unit arrived in 240 seconds or less travel time.

Policy 4.06.13.

The FBFRD's ALS service shall require a named medical director with the responsibility to oversee and ensure quality medical care in accordance with state laws and regulations.

OBJECTIVE 4.07. LAW ENFORCEMENT & POLICE SERVICES

The goal of the Fernandina Beach Police Department (FBPD) is to serve the public in partnership with the community, to protect life and property, to reduce crime through both proactive intervention and competent response, to resolve conflict through creative problem solving strategies, to respect human dignity at all times and to improve the quality of life consistent with the values of the community.

Policy 4.07.01.

The City shall continue to provide fast and efficient response to citizens' calls for service by maintaining minimum response times of 3 minutes or less for emergency calls and 7 minutes or less for non-emergency calls.

Policy 4.07.02.

The FBPD shall continue to advance and strengthen Crime Prevention Programs and enhance community partnerships through proactive crime prevention programs and by conducting association meetings and community events.

Policy 4.07.03.

The FBPD is fully accredited and maintains 257 accreditation standards. The Police Department shall maintain a professional and experienced department by ensuring that 100% of all sworn personnel maintain current certifications in accordance with the Florida Department of Law Enforcement and through in-service training and career development.

Policy 4.07.04.

The FBPD shall maintain policies and procedures that reflect the appropriate best management practices and legal developments.

OBJECTIVE 4.08. AIRPORT

It is the goal of the Fernandina Beach Municipal Airport to provide a safe, attractive and well-maintained airport facility; to support the economic development of our community; to be responsive to the business and recreational needs of our residents, neighbors, visitors and users; to operate in an efficient, self-sustaining and prudent manner; and to be in compliance with all applicable federal, state and local regulations.

Policy 4.08.01.

The City shall coordinate with the Federal Aviation Administration (FAA), the Florida Department of Transportation, the St. Johns Water Management District, the Florida Fish and Wildlife Conservation Commission and the Department of Environmental Protection, as may be required, regarding master planning for the airport and for the placement and specifications of structures and facilities.

Policy 4.08.02.

The airport shall maintain a Federal Aviation Administration (FAA) approved airport master plan.

Policy 4.08.03.

The City shall promote continued financial independence of the Fernandina Beach Municipal Airport through:

- a. Preparing periodic updates to the airport development plan;
- b. Development of a long-range capital improvements program consistent with financial capacity; and
- c. Development of an operations and maintenance program compatible with financial resources.

OBJECTIVE 4.09. ANIMAL RESCUE SERVICES

The City shall continue to provide animal services to the community, including animal control, rescue, sheltering and adoptions, in a humane and efficient manner.

Policy 4.09.01

The City shall continue to provide animal control functions in accordance with applicable City Codes.

Policy 4.09.02

The City shall create a strategic plan for the long-term operation and maintenance of a City-owned animal shelter.

Policy 4.09.03

The City shall seek to continue its partnership with a third-party provider to operate animal shelter services, including animal control, rescue, sheltering and adoption.

Policy 4.09.04

The City shall, in its partnership with a third-party provider, continue to be a “no-kill” facility, consistent with contemporary trends in animal shelter management and provision of humane animal services. The City and third-party provider shall seek partnerships to provide low-cost or free spay and neuter services.

Policy 4.09.05

The City shall seek to upgrade existing animal services facilities to be consistent with contemporary trends in animal shelter management. The City shall work with the third-party provider to partner on construction of a new facility by December 2016.

Policy 4.09.06

The City shall integrate the third-party animal services provider into City operations, including but not limited to:

- Merging animal services operations with the Police Department or Code Enforcement;
- Attendance by the animal services director or manager at departmental meetings;

- Requiring monthly and annual reporting regarding animal services operations;
- Regular communication between the animal services director or manager, the City Manager, and other departments; and
- Increased public outreach on the partnership between the City and the third-party provider.

Policy 4.09.07

The City shall ensure that all animal services staff are certified or trained according to accepted animal shelter management educational standards, and that annual continuing education is completed.

Policy 4.09.08

The City, in conjunction with the third-party provider, shall provide education and outreach on animal rescue and adoption, spaying and neutering animals, animal behavior, and proper animal care.

Policy 4.09.09

The City shall coordinate with Nassau County Animal Services and/or other entities regarding available space for animals from the City shelter in the event of a disaster, and shall take animal shelter operations into account in any disaster and post-disaster redevelopment planning. The animal shelter shall not be utilized as a shelter for animals in the event of a disaster, per Emergency Management policy.

OBJECTIVE 4.10. FERNANDINA BEACH HARBOR MARINA

Fernandina Harbor Marina, as a self-sustaining business of the Marina Department for the City of Fernandina Beach, is dedicated to exceptional service to the community and its customers. The Fernandina Harbor Marina is committed to enhancing the environment through guest education and Best Management Practices. Its mission will be achieved through quality employees, teamwork, caring, integrity, initiative and a commitment to excellence.

Policy 4.10.01.

The Fernandina Harbor Marina shall seek and maintain Clean Marina Designation through the Department of Environmental Protection.

Policy 4.10.02.

The Fernandina Harbor Marina shall implement Best Management Practices designed to protect the Amelia River and St. Mary's Basin.

Policy 4.10.03.

The marina shall prepare a long range development plan with consideration for annual dredging requirements.

Policy 4.10.04.

The City shall promote continued financial independence of the Fernandina Beach Harbor Marina through:

- Preparing periodic updates to the marina development plan;
- Development of a long-range capital improvements program consistent with financial capacity; and
- Development of an operations and maintenance program compatible with financial resources.

OBJECTIVE 4.11. GOLF COURSE

The goal of the Fernandina Beach Golf Club is to provide a public golf facility for both practice and play for residents and visitors alike. Its mission will be achieved by utilizing professional expertise and extending outstanding customer service with respect to the game of golf.

Policy 4.11.01.

The Fernandina Beach Golf Club shall prepare a long range business plan.

Policy 4.11.02.

The City shall promote continued financial independence of the Fernandina Beach Golf Club through:

- a. Preparing periodic updates to the golf club business plan;
- b. Development of a long-range capital improvements program consistent with financial capacity; and
- c. Development of an operations and maintenance program compatible with financial resources.

Policy 4.11.03.

The Fernandina Beach Golf Club shall seek designation and maintain participation in the Audubon Cooperative Sanctuary Program.

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