

# GOAL INF-1

To provide for an adequate potable water supply and needed public facilities and services which meet current and future needs, maximizes existing facilities, protects the environment, and promotes orderly, compact urban growth.

## Objective INF-1.1

To provide the economic, efficient provision of necessary water supply and distribution system, and other needed public facilities and services to meet current and projected future needs of the Palm Bay Water Service Area.

**Policy INF-1.1A.** The City shall examine water supply alternatives in order to determine if the water service agreement with the City of Melbourne to ensure future water supply needs to be updated.

**Policy INF-1.1B.** Continue to implement the goals and improvements program delineated in the Water Master Plan to improve hydraulics and fire flow.

**Policy INF-1.1C.** Prepare an updated Water Master Plan which establishes priorities for correcting any existing facility deficiencies,

projects water demand and supply, analyses, alternatives for meeting needs, including distribution and fire flow needs, and schedules 5-year capital improvement program.

**Policy INF-1.1D.** The City shall amend its water supply plan within 18 months of the amended regional water supply to incorporate alternative water supply projects, traditional water supply projects and conservation measures and reuse necessary to meet the water needs identified in Section 373.709(2)(a), F.S.

## Objective INF-1.2

To implement procedures and a timetable to ensure that, at the time a development permit is issued, adequate facilities and facility capacity are available, or will be available when needed, to serve development.

**Policy INF-1.2A.** The City shall maintain the level of service standard stated in Policy CIE-1.5A for the provision of adequate potable water facilities.

**Policy INF-1.2B.** All changes or improvements to water facilities in the City shall be reviewed for compatibility with the adopted level of service standards.

**Policy INF-1.2C.** Development orders or permits shall not be issued until the potable water

facilities are ready to meet the adopted level of service standards for the projected demand, including the proposed project.

**Policy INF-1.2D.** The City of Palm Bay shall develop methodologies and procedures for updating facility demand and capacity information as development orders or permits are issued and shall prepare annual summaries of capacity and demand information.

### Objective INF-1.3

To conserve and protect potable water resources, groundwater recharge areas, natural drainage features and environmentally sensitive lands.

**Policy INF-1.3A.** Develop methodologies, performance standards and procedures for reviewing all development plans prior to issuance of a development order or permits for compliance in protection and conservation of potable water resources, groundwater recharge areas, and environmentally sensitive lands.

**Policy INF-1.3B.** Identify and develop Land Development Regulations to protect local prime recharge areas as well as any groundwater and surface water resources.

**Policy INF-1.3C.** Support the well-plugging program of the SJRWMD to protect the surface and Floridan aquifer water resources from potential pollution by reporting free-flowing well sites to the district by public education through newsletters and/or brochures.

**Policy INF-1.3D.** The City shall continue to promote and develop public education programs to establish an awareness of the need for water conservation and to affect a reduction in home water use. Topical information should include lawn irrigation, planting and landscaping with native flora, water saving devices, and commercial/industrial recycling programs.

**Policy INF-1.3E.** The City shall develop and adopt Land Development Regulations which encourage

each large water user to use the lowest acceptable water quality.

**Policy INF-1.3F.** The City shall develop and adopt Land Development Regulations which do not encourage irrigation but encourage the most efficient irrigation methods and use of greywater or highly treated wastewater for large irrigation uses, rather than groundwater, surface water, or potable water.

**Policy INF-1.3G.** Coordinate with the St. Johns River Water Management District and the Melbourne-Tillman Water Control District to develop programs and methodologies to maintain water tables needed by private and public wells.

**Policy INF-1.3H.** The City shall update its Wellhead Protection Ordinance to be consistent with Chapter 62-521, F.A.C.

**Policy INF-1.3I.** The City shall encourage water conservation measures that promote and encourage the use of low impact development techniques such as those that use the Florida Water Star Program.

**Policy INF-1.3J.** Utilize conservation measures such as the utilization of reclaimed water, leak detection and repair programs, fixture exchanges, and public education.

### Objective INF-1.4

Funding priority shall be given to new potable water facilities located within the adopted urban service areas.

**Policy INF-1.4A.** The City shall include provisions in the CIP process for giving priority to potable water capital improvements located in the urban service areas.

**Policy INF-1.4B.** Ensure that any extension of the distribution system does not contribute to urban sprawl.

## GOAL INF-2

To provide for adequate sanitary sewer services and needed public facilities and services which meet current and future needs, maximize existing facilities, protect the environment, and promote orderly, compact urban growth.

### Objective INF-2.1

Correct existing sanitary sewer facility deficiencies.

**Policy INF-2.1A.** The City shall fund all improvements needed to correct existing deficiencies in the 5-Year Capital Improvements Program.

**Policy INF-2.1B.** Continue intergovernmental coordination with the City of Melbourne.

**Policy INF-2.1C.** Improvements shall be in accordance with the recommendations of the Sanitary Sewer Master Plan and the 5-Year Capital Improvement Program.

### Objective INF-2.2

At the time a development permit is issued, facilities and facility capacity, meeting all adopted LOS standards shall be available to serve the development.

**Policy INF-2.2A.** The City shall maintain the level of service standard stated in Policy CIE-1.5A for the provision of adequate sanitary sewer facilities.

**Policy INF-2.2B.** Any changes or improvements in sanitary sewer facilities in the City shall be compatible with the adopted level of service standards.

**Policy INF-2.2C.** The City of Palm Bay shall develop methodologies and procedures for

updating facility demand and capacity information as development orders or permits are issued, and shall prepare annual summaries of capacity and demand information.

**Policy INF-2.2D.** Development orders or permits shall not be issued until the sanitary sewer facilities are ready to meet the adopted level of service standards for the projected demand, including the proposed development.

### Objective INF-2.3

To conserve and protect potable water resources, groundwater recharge areas, natural drainage features, and environmentally sensitive lands that might be affected by sanitary sewer systems.

**Policy INF-2.3A.** The City of Palm Bay shall develop and incorporate into the Land Development Regulations methodologies,

performance standards and procedures for reviewing all development plans, prior to issuance of development orders or permits, for compliance

in protection and conservation of water resources, groundwater recharge areas, and environmentally sensitive lands.

**Policy INF-2.3B.** Prohibit uses that would be detrimental to aquifer recharge areas. Prohibited uses that include disposal of hazardous substances, underground storage of hazardous substances, automotive and marine repair facilities, automotive impounding yards, automotive and marine paint and body shops, solid waste disposal activities, new sanitary sewage treatment plants, including privately owned package plants and septic systems.

**Policy INF-2.3C.** When adopted, the City shall coordinate with the Florida Department of Environmental Protection (FDEP) to implement the Basin Management Action Plan (BMAP) for the Indian River Lagoon Basin. The BMAP is the "blueprint" for restoring the impaired waters of the Indian River Lagoon by reducing pollutant loadings to meet allowable loadings established in a Total Maximum Daily Load (TMDL). The City will continue to coordinate with the Florida Department of Environmental Protection and St Johns River Water Management District to implement the (TMDL) program.

<b>Objective INF-2.4</b>	Funding priority shall be given to new sanitary sewer facilities located within the adopted urban service area.
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**Policy INF-2.4A.** The City shall include provisions in the CIP process for giving priority to sanitary

sewer capital improvements located in the urban service area.

## GOAL INF-3

Minimize the amount of solid waste generated by the City of Palm Bay and protect the citizens and natural resources of the City from the results of improper handling of hazardous wastes.

<b>Objective INF-3.1</b>	To reduce the amount of solid waste generated per capita by the City of Palm Bay.
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**Policy INF-3.1A.** Work closely with the City's hauler and Brevard County to understand the amounts of solid waste generated by the City of Palm Bay.

**Policy INF-3.1B.** Based upon more specific knowledge of wastes generated, determine what additional local recycling, recovery or decomposing programs would be appropriate and develop such programs.

**Policy INF-3.1C.** Enlist support of local environmental groups in the development and implementation of recycling programs.

**Policy INF-3.1D.** Promote the benefits of the selected solid waste reduction programs by various public informational mechanisms.

**Policy INF-3.1E.** Encourage safe disposal of hazardous waste.

**Policy INF-3.1F.** The City shall maintain the level of service standard stated in Policy CIE-1.5A for the provision of adequate solid waste facilities.

<b>Objective INF-3.2</b>	Programs, policies, and enforcement be undertaken by the City to reduce littering and illegal dumping.
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**Policy INF-3.2A.** Increase public awareness of problems and cost to taxpayers resulting from littering and illegal dumping.

**Policy INF-3.2B.** Increase enforcement of anti-littering laws to more effectively reduce littering.

<b>Objective INF-3.3</b>	Build public awareness of hazardous waste programs available to the community.
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**Policy INF-3.3A.** Continue to participate in the development and implementation of the Brevard Prepares Local Mitigation Strategy.

**Policy INF-3.3C.** If determined appropriate, pursue federal and/or state grants to finance solutions.

**Policy INF-3.3B.** Policy INF-2.3B Meet with Brevard County and other governmental agencies to identify potential or existing hazardous waste problems in the City and gain awareness of mechanisms available to provide solutions.

**Policy INF-3.3D.** Provide a centralized location for disbursement of general public informational pamphlets and appropriate contact personnel information.

<b>Objective INF-3.4</b>	To protect the functions of natural drainage features, aquifer recharge areas, and affected land uses from any future landfills that might be located in the City.
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**Policy INF-3.4A.** The City shall coordinate with Brevard County and any other Governmental agencies in the siting of any landfills to ensure

that natural drainage features, aquifer recharge areas, and land uses are buffered and protected from such facilities.

<b>Objective INF-3.5</b>	Objective Funding priority shall be given to new solid waste services within the adopted urban service area.
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**Policy INF-3.5A.** The City shall request Brevard County to give funding priority for new solid waste services within the City’s urban service area.

## GOAL INF-4

To provide adequate drainage facilities and services which meet current and future needs, affords reasonable protection from flooding, prevents and reduces degradation of surface and groundwater quality, maintains the functions of natural systems, protects the environment, and promotes orderly, compact urban growth.

### Objective INF-4.1

Provide for protection and conservation of the environment and natural drainage features, protection and reduction in the degradation of surface and groundwater quality, the prohibition of higher intensity development within flood prone areas, and to ensure the compatibility of future development.

**Policy INF-4.1A.** The City of Palm Bay shall establish water quality characteristics and non-point source control techniques for surface water runoff and drainage facility discharge, in conformance with the recommendation of the Brevard County Stormwater Program and the St. Johns River Water Management District criteria.

**Policy INF-4.1B.** The City of Palm Bay shall require that all new development be compatible with, and developed in conformance with, the Stormwater Management and Conservation Ordinance.

**Policy INF-4.1C.** The City shall request the Melbourne-Tillman Water Control District to

model a 50-year and a 100-year storm event to determine the extent the system will be able to carry away water and the effect of the downstream discharge of water into the Turkey Creek and into the Indian River.

**Policy INF-4.1D.** The City shall develop, in conjunction with appropriate agencies, a monitoring program for urban stormwater runoff to identify specific areas with high pollutant loads, and to assess implementation/performance of water control techniques and requirements designed to protect, restore and maintain the chemical, physical and biological integrity of the areas surface and groundwater resources.

### Objective INF-4.2

To ensure the economic, efficient provision of drainage and stormwater management facilities to meet current and future needs of the non- Melbourne-Tillman Water Control District area of the City..

**Policy INF-4.2A.** The City of Palm Bay shall continue to operate the drainage system facilities, increase its level of maintenance of drainage facilities, and continue to acquire property or

easements to ensure maintenance of facilities systemwide.

**Policy INF-4.2B.** The City shall continue to implement the recommendations for

improvements contained within the Stormwater Management Master Plan, especially as they relate to: (1) upgrading the system, to accommodate at least the 10-year, 24-hour design storm; (2) implementing regular updates of facilities mapping as improvements are accomplished; (3) accounting for sea level rise; (4) preparing an updated schedule for providing improvements; and, (5) encouraging new developments to effect recommended area drainage system improvements.

**Policy INF-4.2C.** The City shall prepare an updated Stormwater Management Master Plan which establishes priorities for correcting existing drainage system facility problems or deficiencies, projects needed improvements, analyzes alternatives for providing needed improvements, and schedules 5-year capital improvement program.

**Policy INF-4.2D.** The City shall expand the “Old Palm Bay” Stormwater Management Master Plan study area and mapping to include all drainage facilities and systems within (1) the coastal zone; (2) all the land area south of Turkey Creek to the

City limits; and, (3) that portion of the land area between Port Malabar Boulevard and the C-1 Canal, which discharges to the east directly into Turkey Creek, and the Indian River. In addition, the off-site area and impacts of stormwater flowing into the district from the north (Melbourne) and the south (Malabar) shall be quantified.

**Policy INF-4.2E.** The City shall continue to provide the City of Melbourne, Brevard County and the Town of Malabar with City stormwater management plans, and regulations for shared watersheds/basins and shall request reciprocal actions.

**Policy INF-4.2F.** The City shall maintain the level of service standard stated in Policy CIE-1.5A for the provision of adequate stormwater management facilities..

**Policy INF-4.2G.** The City shall maintain the level of service standard stated in Policy CIE-1.5A for the provision of adequate stormwater management facilities.

<b>Objective INF-4.3</b>	Funding priority shall be given to new drainage facilities located within the adopted urban service area.
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**Policy INF-4.3A.** The City shall include provisions in the CIP process for giving priority to drainage

capital improvements located in the urban service area.

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