GOALS, OBJECTIVES AND POLICIES

GOAL 1: Public Facilities. Needed public facilities shall be provided in a manner which protects investments in existing facilities and promotes orderly compact urban growth. [9J-5.011(2)(a)]

GOAL 2: Adequate Infrastructure. The City of Titusville shall provide sanitary sewer, solid waste, drainage and potable water facilities and services to meet existing and projected demands identified in this plan.

Objective 2.1: Capacity Availability. The City shall implement procedures to ensure that at the time a development permit issued, adequate facility capacity is available or will be available when needed to serve the development/accommodate the needs of new growth. [9J-5.011(2)(b)(2)]

Policy 2.1.1: 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 development/future growth. [9J-5.011(2)(c)(2)(a through d)] These levels of service standards are based on information contained in the data and analysis reports for this element of the comprehensive plan.

<table>
<thead>
<tr>
<th>Facility/Service Area</th>
<th>Acceptable Level of Service Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Sanitary Sewer Facilities</strong></td>
<td></td>
</tr>
<tr>
<td>North Service Area</td>
<td>Average Sewage Generation Rate</td>
</tr>
<tr>
<td>South Service Area</td>
<td>80 gallons/capita/day</td>
</tr>
<tr>
<td></td>
<td>80 gallons/capita/day</td>
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<tr>
<td><strong>B. Potable Water Facilities</strong></td>
<td></td>
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<tr>
<td>*Titusville Service Area (includes area outside City limits which have service agreements with the City.)</td>
<td>Average Water Consumption Rate</td>
</tr>
<tr>
<td></td>
<td>96.4 gallons/capita/day</td>
</tr>
<tr>
<td></td>
<td>Softening &amp; filtration: 16 MGD</td>
</tr>
<tr>
<td></td>
<td>Pumping capacity: 16 MGD</td>
</tr>
<tr>
<td></td>
<td>Storage capacity: 3.9 MGD</td>
</tr>
<tr>
<td><strong>C. Drainage Facilities</strong></td>
<td>Design Storm</td>
</tr>
<tr>
<td>City-wide</td>
<td>25-year frequency, 24-hour duration for</td>
</tr>
<tr>
<td>For areas other than areas of critical concern</td>
<td>Sites over ½ acre.</td>
</tr>
<tr>
<td></td>
<td>25-year, 24-hour storm or retain first</td>
</tr>
<tr>
<td></td>
<td>inch over entire property.</td>
</tr>
<tr>
<td><strong>D. Solid Water Facilities</strong></td>
<td>Acceptable Level of Service</td>
</tr>
<tr>
<td>Collection (City-wide)</td>
<td>8.32 lbs/capita/day</td>
</tr>
<tr>
<td>Disposal (LOS set by utilizing Brevard County's methodology)</td>
<td>8.32 lbs/capita/day</td>
</tr>
</tbody>
</table>

Policy 2.1.2: In order to assure that the above identified level of service standards are maintained, Concurrency Management System will be used to determine the available capacity and demand and these procedures shall incorporate appropriate peak demand
coefficients for each facility and for the type of development proposed. [9J-5.011(2)(b)(2)]

**Strategy 2.1.2.1:** The Water Resources Department, Public Works/Engineering Department and Community Development Department shall jointly develop procedures to update facility demand and capacity information as development orders or permits are issued. [9J-5.011(2)(b)(2)]

**Strategy 2.1.2.2:** Prior to approval of new development orders the City of Titusville will evaluate the availability of water supply and wastewater treatment capacity.

**Policy 2.1.3:** All improvements for replacement, expansion or increase in capacity of facilities shall be compatible with the adopted level of service standards for the facilities. [9J-5.011(2)(c)(1)]

**Policy 2.1.4:** The City shall coordinate with and encourage recycling and resource recovery efforts in the County.

**Objective 2.2:** Coordination of Capital Improvements. Existing deficiencies in the provision of public infrastructure as identified in the elements of the comprehensive plan shall be eliminated through the schedule of improvements contained in the capital improvements element. [9J-5.011(2)(b)(1)]

**Policy 2.2.1:** The level of service established in the Infrastructure Element of the Comprehensive Plan and listed under Policy 2.1.1, above shall be used to determine existing deficiencies. [9J-5.011(2)(c)(1)]

**Policy 2.2.2:** Projects shall be undertaken in accordance with the schedule of improvements provided in the Capital Improvements Element of this Plan. [9J-5.011(2)(c)(1)]

**Objective 2.3:** Capital Improvement Schedule. The City shall maintain a five-year schedule of capital improvements needs for public facilities, to be updated annually in conformance with the review process for the capital improvements element of this plan. [9J-5.001(2)(b)(2 and 3)]

**Policy 2.3.1:** Proposed capital improvement projects will be evaluated and ranked according to the following priority level guidelines: [9J-5.011(2)(c)(1) and 9J-5.011(2)(b)(3)]

**Level One:** Whether the project is needed to protect public health and safety, to fulfill the City’s legal commitment to provide facilities and services, or to preserve or achieve full use of existing facilities and correct existing deficiencies;

**Level Two:** Whether the project increases efficiency of use of existing facilities, prevents or reduces future
improvement costs, provides service to development areas lacking full service or promotes in-fill development; and

**Level Three:** Whether the project represents a logical extension of facilities and services within a designated service area.

**Policy 2.3.2:** Projects shall be undertaken in accordance with the schedule provided in the Capital Improvement Element of the Plan. [9J-5.011(2)(b)(2)]

**Policy 2.3.3:** The annual work program of the Water Resources Department and Public works/Engineering Department shall be reviewed to ensure that projects are scheduled to minimize disruption of services and duplication of labor and to maintain service levels for all facilities. [9J-5.011(2)(b)(2)]

**Policy 2.3.4:** Provision of centralized sanitary sewer and potable water service shall be consistent with the City's growth policies stated in the Land Use Element of this Plan and the Future Land Use Map, and to areas where the City has legal commitments to provide facilities and services as of the date of adoption of this plan [9J-5.011(2)(b)(3) and 9J-5.04(b)(3)]

**Policy 2.3.5:** The use of common corridors for utilities shall be encouraged.

**Objective 2.4:** **Deficiencies.** Existing deficiencies will be corrected by undertaking the following projects: [9J-5.011(2)(b)(1)]

A) Installation of the Area IV Well Field and Raw Water Transmission Main.

B) Water Distribution Improvements.

C) Sewer System Improvements Capital Improvement Project

D) Infiltration/Inflow Capital Improvement Project

E) City-wide drainage improvements.

**Objective 2.5:** **Public Utilities.** Projected demands through the year 2017, as outlines in the Water Supply Facilities Work Plan will be met by undertaking the following projects: [9J-5.011(2)(b)(2)]

A) **SANITARY SEWER**

1. Sufficient treatment facility capacity exists to meet projected demand.
B) SOLID WASTE

1. Maintenance, repair and replacement of rolling stock for collection purposes; and

2. The County has identified several existing and future deficiencies/needs for land fill sites and resource recovery in their Solid Waste Element. The City of Titusville will coordinate and participate with Brevard County, to the greatest extent possible.

C) STORMWATER MANAGEMENT AND AQUIFER PROTECTION

1. Master drainage and stormwater utility study; and

2. Completion of city-wide drainage improvements as proposed in the Freshwater Management Study.

D) POTABLE WATER

1. Expansion of the Taylor Creek Reservoir as an alternative source of water supply.

2. Construction of Area IV wellfield in northwest Brevard County;

3. Various water line extensions/improvements as identified in the element; and

4. Augmentation of the Water Reuse System from the Blue Heron Wetland.

Policy 2.5.1: The annual summaries of facility capacity and demand information prepared by the department heads shall be used to evaluate the need for the timing and location of projects to extend or increase the capacity of existing facilities. [9J-5.011(2)(b)(1) and 9J-5.011(2)(c)(1)]

Policy 2.5.2: All projects required to meet projected demands shall be scheduled in the Capital Improvements Element of this plan in accordance with the requirements of Section 163.3177(2), F.S. and 9J-5.011(2)(b)(2).

Objective 2.6: Solid Waste. The City will coordinate with the County in the collection, transfer and disposal of solid waste and in the development of resource recovery programs.

Policy 2.6.1: The City will coordinate with the County in analyzing current and projected solid waste demand and facility needs for the five and ten year planned periods.

Policy 2.6.2: The general performance of the solid waste facility, adequacy of existing level of service, and impacts upon adjacent natural resources shall be analyzed in coordination with the County since
the City does not have any city-owned or operated solid waste facilities.

GOAL 3: Stormwater Management. Adequate stormwater management will be provided to afford reasonable protection from flooding and to prevent degradation of quality of receiving waters. [9J-5.011(2)(a)]

Objective 3.1: Drainage Regulations. The stormwater drainage regulations contained in the City’s Land Development Regulations will provide for protection of natural drainage features [9J-5.011(2)(b)(5)]

Policy 3.1.1: The Public Works/Engineering Department, when planning transportation projects, will prepare amendments to the stormwater drainage provision of the City’s development regulations to ensure that:

A) New developments are required to manage runoff from the 25-year frequency, 24-hour duration design storm event on-site so that post-development runoff rates, volumes, and pollutant loads do not exceed pre-development conditions;

B) Stormwater engineering, design and construction standards for on-site systems are provided;

C) Erosion and sediment controls are used during development; and

D) Periodic inspection and maintenance of on-site systems and ensured as a condition of system permit renewal.

Policy 3.1.2: The City will study the feasibility of instituting a stormwater utility fee to [9J-5.011(2)(c)(4)]:

A) Acquire required drainage easements;

B) Support revenue bonds for required drainage improvements within each basin; and

C) Fund operation and maintenance operations.

Policy 3.1.3: The City will initiate a maintenance program to ensure that major drainage systems are inspected and receive required maintenance on at least an annual basis. [9J-5.011(2)(c)(4)]

GOAL 4: Aquifer Recharge. The Functions of Natural groundwater aquifer recharge areas within the City will be protected and maintained through the implementation of the City’s aquifer protection ordinance. [9J-5.011(2)(a)]

Objective 4.1: Aquifer Recharge Areas. The City shall provide for maintenance of Aquifer Recharge Area Functions through the “Area of Critical Concern” ordinance. [9J-5.011(2)(b)(5)]
Policy 4.1.1: Land within the Area of Critical Concern as shown in Map G-2 of the Water Supply Facilities Work Plan must be developed such that it is consistent with the Land Development Regulations which limits the amount of impervious surface, retain the natural topography coverage to best extent possible and provides for additional design regulation of the stormwater management systems.

Policy 4.1.2: The City will coordinate with local, state and federal agencies to achieve regional aquifer recharge protection objectives. [9J-5.011(2)(c)(4)]

GOAL 5: Potable Water Protection. The City of Titusville shall establish and utilize potable water protection/conservation strategies and techniques. [9J-5.011(a)(4)]

Objective 5.1: Alternative Water Supply Project. The City shall continue to cooperate with other local government and water suppliers in the expansion of the Taylor Creek Reservoir to create an alternative water supply source.

Objective 5.2: Water Conservation. The City of Titusville shall adopt a water conservation plan aimed toward the enhancement and protection of the City’s sole source aquifer.

Policy 5.2.1: The City shall require low water use showers and toilets for all construction within the City. [9J-5.011(2)(c)(3)]

Policy 5.2.2: The City land development regulations shall provide incentives to developers to compost and mulch as a method of water conservation and which will also reduce solid waste disposal costs [9J-5.011(2)(c)(3)]

Policy 5.2.3: The City shall maintain a water conservation rate structure to enhance conservation of potable water.

Policy 5.2.4: All new developments located in the Area of Critical Concern will be required to connect to the reclaimed water system prior to occupancy, or provide dry lines for future connection.

Policy 5.2.5: The City shall maintain a leak detection protection program in order to discover and eliminate wasteful losses of potable water from the City’s community water supply and distribution system.

Policy 5.2.6: The City shall encourage existing development to use fixtures such as low-volume shower heads and low-volume faucets that will help in conservation of water. The City shall also continue the toilet retrofit rebate and shower head exchange program.

Objective 5.3: Water Supply. The City shall implement and update its water supply plan at least every ten years consistent with water supply sources identified in the St. Johns River Water Management District (SJRWMD) District Water Supply Plan, while conserving and protecting its water supply sources.
Policy 5.3.1: The City shall participate in the water supply planning process in conjunction with the SJRWMD and other pertinent entities, with the objective to develop a regional water supply plan that will reasonably ensure adequate quantity and quality of potable water resources needed to meet future demands without creating water use conflicts or unacceptable impacts to natural resources.

Policy 5.3.2: The City shall monitor the resource availability of its existing well-field to determine their health, viability and the need to supplement this supply with other water supply sources such as potable water purchased from the City of Cocoa and the identified water supply source.

Policy 5.3.3: The City shall participate in the development of the preliminary design plan of the Taylor Creek Reservoir expansion as a regional alternate water supply.

Policy 5.3.4: New Developments shall be required to obtain a water supply capacity allocation permit to reserve water supply capacity sufficient to meets the water supply needs of the development prior to obtaining a Certificate of occupancy.

Policy 5.3.5: The City shall implement the water supply projects listed in the water supply projects list in the Ten-Year Work Plan of Water Supply Facilities Work Plan referenced herein as Table 1.