

Chapter V --  
**PUBLIC FACILITIES AND SERVICES ELEMENT- 2017**  
**SANITARY SEWER, SOLID WASTE, STORMWATER MANAGEMENT, POTABLE  
WATER AND NATURAL GROUNDWATER AQUIFER RECHARGE**

**GOALS, OBJECTIVES AND POLICIES**

**INTRODUCTION**

This chapter stipulates goals, objectives, and policies for the Public Facilities and Services Element, which includes sub-elements for Sanitary Sewer, Solid Waste, Stormwater Management, Potable Water and Natural Ground Water Aquifer Recharge Element pursuant to F.S. §-163.3177(6)(c)(d), and the Community Planning Act (2011) F.S. § 163.3161 et. seq § 9J-5.013 (2), FAC. The purpose of this element is to provide for necessary public facilities and services correlated to future land use projections.

**GOALS, OBJECTIVES AND POLICIES**

**SANITARY SEWER**

**Goal 1 To provide for the disposal of all wastewater generated in the Town in the most economical, environmentally sound, and cost efficient manner possible.**

Objective 1.1 Maintain a sanitary sewer system level of service standard of 160 200 gallons per day per equivalent living unit.

*Policy 1.1.1* The level of service standard of 160 200-gallons per day per equivalent living unit (ELU) is hereby adopted by the †Town, and shall be used as the basis for determining the availability of sanitary sewer system capacity and the demand generated by a development.

*Policy 1.1.2* Work with Port Orange to ensure that the †Town continues to operate and maintain existing sanitary sewer collection lines and transmission mains and provide improvements as necessary to meet average-day and peak-day flows.

*Policy 1.1.3* Development permits shall not be issued by the †Town if the demand generated by resulting development will exceed the capacity of existing sanitary sewer facilities.

*Policy 1.1.4* The †Town shall participate in the development and updating of the Capital Improvement Plan of the City of Port Orange to ensure that priorities for replacement, correcting facility deficiencies and providing for future facility needs are consistent with the †Town's Comprehensive Plan and responsive to the needs of the citizenry.

Objective 1.2 The †Town shall continue to reduce the number of existing septic tanks.

*Policy 1.2.1* Single-family dwellings shall hook up to the central sewer system when an existing on-site sewage treatment facility fails, if the central sewer system is reasonably available. Connection shall be determined to be "reasonably available" if a sewer line exists in a public easement or right-of-way which abuts

41 the property, and if gravity flow can be maintained from the building drain to the  
42 sewer line.

43 | *Policy 1.2.2* Where gravity sewer service is extended into previously un-served  
44 | areas, property owners will be required to connect existing improved property  
45 | within one year of being notified, pursuant to F.S. §-381.00655, that sewer service  
46 | is available. The †Town may adopt regulations which exempt from mandatory  
47 | connection improved single-family residential and two-family residential properties  
48 | with septic systems. A property otherwise exempt from mandatory sewer  
49 | connection shall be required to connect to the available central sewer system when:  
50 | (a) modification, repair, or replacement of an existing septic system is required that  
51 | would warrant issuance of a permit by the Volusia County Health Department; (b)  
52 | expansion of a unit would cause the enlargement of an existing septic system; or (c)  
53 | the property changes ownership after December 31, 2010.

54 | *Policy 1.2.3* When sewer service is available within 100 feet of a property, all new  
55 | development, including single-family residences, shall be required to connect to the  
56 | sewer service, even if gravity flow cannot be maintained.

57 | *Policy 1.2.4* The †Town shall work with its solid waste collector to analyze waste  
58 | generation rates specific to Ponce Inlet and modify its LOS standard, if  
59 | appropriate, to account for conservation, recycling, and overall waste reduction  
60 | efforts.

## 61 | **SOLID WASTE**

62 | **Goal 1 Provide for the collection and disposal of household, commercial, and construction**  
63 | **solid wastes in a manner that is convenient, environmentally sound, sanitary, and cost**  
64 | **efficient.**

65 | Objective 1.1 Continue to cooperate with Volusia County, the Florida Department of  
66 | Environmental Protection, and the U.S. Environmental Protection Agency, in  
67 | monitoring and regulating the handling and disposal of hazardous wastes in the †Town.

68 | *Policy 1.1.1* The †Town shall continue to monitor activities that are known to use  
69 | hazardous materials in order to insure compliance with applicable handling and  
70 | disposal rules and guidelines.

71 | *Policy 1.1.2* The †Town shall continue to coordinate with Volusia County to  
72 | establish a permanent local collection center for receiving hazardous wastes from  
73 | households, small businesses, and other low-volume generators. If the †Town is  
74 | unable to establish such permanent center, then it shall establish a program which  
75 | will provide for periodic collections to be made.

76 | *Policy 1.1.3* The †Town shall continue to cooperate with Volusia County, the  
77 | Florida Department of Environmental Protection, and the U.S. Environmental  
78 | Protection Agency to promote better awareness of the need for proper disposal of  
79 | hazardous wastes.

80 | *Policy 1.1.4* The †Town shall continue to encourage safe disposal of hazardous  
81 | waste by promoting "amnesty days" for collection of hazardous wastes by the  
82 | county and other agencies.

83 | Objective 1.2 Continue to cooperate with Volusia County and the 15 other  
84 | municipalities within the county by adopting a comprehensive solid waste reduction  
85 | program.

86 | *Policy 1.2.1* This comprehensive solid waste reduction program shall, in  
87 | particular, address the following:

- 88 | A. A practical means to achieve the county's goal of reducing the amount of  
89 | the solid waste disposed of at the county landfill by 30 percent.
- 90 | B. Specific methods for separation of white goods, yard trash,  
91 | construction/demolition debris, and tires from the solid waste stream for  
92 | disposal at alternate sites or for recycling.
- 93 | C. A strategy for educating the public to avoid products which are not  
94 | recyclable, cannot be converted, or cannot be used as a resource or derived  
95 | fuel.
- 96 | D. Continuation and/or improvement of ongoing specific methods for  
97 | separation of a majority of newspaper, aluminum cans, glass, and plastic  
98 | bottles from the solid waste stream prior to final disposal at the county's  
99 | landfill, and for offering such materials for recycling.

100 | *Policy 1.2.2* Continue to coordinate and cooperate with Volusia County and the  
101 | †Town's waste collection in maintaining a waste reduction/recycling program that  
102 | best serves the interests of the †Town.

103 | *Policy 1.2.3* Maintain the †Town's level of service standard of 8.6 pounds per  
104 | capita per day for solid waste collection, and continue to ensure that the private  
105 | franchised solid waste collector has the capacity to provide that level of service for  
106 | the town's resident and seasonal population.

107 | *Policy 1.2.4* The †Town shall work with its solid waste collector to analyze waste  
108 | generation rates specific to Ponce Inlet and modify its LOS standard if appropriate,  
109 | to account for conservation, recycling, and overall waste reduction efforts.

## 111 | **STORMWATER MANAGEMENT**

112 | **Goal 1 To provide adequate stormwater management to protect human life and health and**  
113 | **the value of property, and to prevent degradation of water quality in the Halifax River, the**  
114 | **Atlantic Ocean and the groundwater aquifer.**

115 | Objective 1.1 The †Town shall continue to ensure that its Land Use and Development  
116 | Code (LUDC) includes stormwater management system level of service standards that  
117 | are adequate to prevent flooding and degradation of natural surface waters.

118 | *Policy 1.1.1* In order to determine the adequacy of a proposed stormwater  
119 | management system, the following level of service standard is hereby continued:

- 120 A. The first one inch of rainfall for each storm falling on all areas caused by  
121 or resulting from the project shall be retained on site. In addition, the  
122 cumulative impact of the outflow hydrograph on downstream flow shall be  
123 considered. Runoff rates and volumes resulting from the project, in excess  
124 of existing amounts may not exceed the runoff that existed prior to the  
125 new development.
- 126 B. The peak discharge resulting from a 100-year frequency storm on the  
127 developed or redeveloped site shall not exceed the peak discharge resulting  
128 from a 100-year frequency storm for existing conditions on the site.
- 129 C. Stormwater discharge into a natural surface water body shall reduce the  
130 amount of pollutants in the discharge to a level that continues to meet the  
131 Florida water quality standards found in Chapter 17-3, Florida  
132 Administrative Code.

133 Objective 1.2 Continue to provide stormwater management and drainage facilities to  
134 accommodate runoff from frequently occurring and seldom occurring storm events.

135 *Policy 1.2.1* The LUDC regulations shall continue to be enforced and monitored to  
136 ensure stormwater and drainage facilities are required for new development, and  
137 maintained for existing development.

138 Objective 1.3 The ~~†~~Town shall continue to maintain and enforce its LUDC regulations  
139 which address the need to protect and preserve the functions of natural drainage  
140 features.

141 *Policy 1.3.1* Protection and preservation of natural drainage courses and retention  
142 areas shall be a primary consideration in the design and layout of proposed  
143 developments.

144 *Policy 1.3.2* Where a proposed development is traversed by a natural watercourse  
145 or drainageway, dedication shall be made of a suitable easement to accommodate  
146 stormwater drainage through and from the proposed development. The boundaries  
147 of such easement, as a minimum, shall encompass the natural boundaries of the  
148 waterway or drainageway.

149 *Policy 1.3.3* New developments will be designed so as to minimize disturbance of  
150 the natural dune contours and vegetation.

151 *Policy 1.3.4* Lot coverage by buildings and other impervious surface area shall be  
152 limited to allow adequate on-site stormwater percolation.

## 153 **POTABLE WATER**

154 **Goal 1. To provide adequate quantity and quality potable water to meet the demands of**  
155 **the present and future population for consumption and other purposes.**

156 Objective 1.1 No use or development of land shall occur in Ponce Inlet unless adequate  
157 water system capacity is available or will be available when needed to serve the  
158 development.

159 | *Policy 1.1.1* A level of service standard of 180 gallons per day per equivalent living  
160 | unit (ELU)~~140 gallons per capita~~ per day is hereby adopted, and shall serve as the  
161 | basis for determining the availability of adequate water system capacity.

162 | *Policy 1.1.2* The ~~development services~~ Planning and Development department  
163 | shall maintain procedures and guidelines to update water facility demand and  
164 | capacity information as development orders or permits are issued.

165 | *Policy 1.1.3* Prior to issuing any development permit, and/ or changing the Future  
166 | Land Use Map, water supply availability shall be confirmed with the ~~the~~ Town's  
167 | water provider. Prior to the issuance of any building permit, the ~~the~~ Town shall  
168 | confirm that water service will be available by the ~~the~~ Town's water supplier by the  
169 | anticipated issuance date of the certificate of occupancy.

170 | Objective 1.2 Monitor and evaluate existing facilities on an annual basis to insure  
171 | maximum use and efficiency.

172 | *Policy 1.2.1* If necessary, projects shall be undertaken in accordance with the  
173 | Capital Improvements Element of this Comprehensive Plan.

174 | *Policy 1.2.2* Continue to operate and maintain water storage facilities to provide  
175 | adequate capacity for meeting peak-day demands and fire flow requirements.

176 | *Policy 1.2.3* Continue to operate and maintain existing distribution line, and when  
177 | financially feasible improve size and design capacity, to maintain and enhance  
178 | water pressure to service town customers.

179 | *Policy 1.2.4* Make water distribution system improvements to the extent possible  
180 | to allow the ~~the~~ Town to maintain current ~~i~~nsurance ~~s~~ervice ~~e~~rganization (ISO)  
181 | fire ratings.

182 | Objective 1.3 To the greatest extent possible, the cost of providing system  
183 | improvements will be borne by those benefiting from such improvements.

184 | *Policy 1.3.1* New developments shall be required to pay the full cost of  
185 | improvements needed to serve only those developments, and the proportionate cost  
186 | of improvements needed to serve more than one development.

187 | *Objective 1.4* Citizens of Ponce Inlet will be encouraged to utilize conservation  
188 | methods to reduce the demand for potable water.

189 | *Policy 1.4.1* The ~~the~~ Town shall promote and encourage the conservation policies  
190 | adopted by the St. Johns River Water Management District and, Volusia County,  
191 | ~~and the Water Authority of Volusia (WAV).~~

192 | *Policy 1.4.2* As part of the ~~the~~ Town's water supply plan, the town shall investigate  
193 | the use of block (conservation) pricing as a tool to encourage conservation of  
194 | potable water.

195 | ~~*Policy 1.4.3* As part of the town's water supply plan, the town shall examine the~~  
196 | ~~usage of potable water from irrigation meters, and consider policies such as pricing~~  
197 | ~~to encourage conservation by users.~~

198 | **NATURAL GROUNDWATER AQUIFER RECHARGE**

199 | **Goal 1 Promote recharge of the groundwater aquifer to maximize the quantity of good**  
200 | **quality water available for continuing withdrawal and use.**

201 | Objective 1.1 Maintain the natural characteristics and function of the surficial  
202 | (shallow groundwater) aquifer, including its potentiometric surface level and quality.

203 | *Policy 1.1.1* Maintain a groundwater protection plan that establishes varying  
204 | limits on allowable withdrawal and use of groundwater, depending on the condition  
205 | of the aquifer. The condition of the aquifer should be defined in terms of chloride  
206 | content, potentiometric surface level and other significant characteristics.

207 | Objective 1.2 Continue to maintain and enforce the LUDC's provisions promoting  
208 | water conservation.

209 | | *Policy 1.2.1* The town shall incorporate into its land development code its current  
210 | Stormwater Management and Conservation Ordinance and Excavation and  
211 | Grading Ordinance regulations and other appropriate provisions promoting water  
212 | conservation, which may include use of native, drought resistant vegetation for  
213 | landscaping, and installation of water-conserving plumbing fixtures. The Town  
214 | may also adopt conservation or block pricing rates as a tool to encourage the  
215 | conservation of potable water.