

Sanitary Sewer Data Guideline Document

Introduction

This document is intended to provide directions to users for the selection and application of sanitary sewer data to support the evaluation and appraisal report (EAR)-based amendments for the 24 municipalities in Pinellas County. It will also provide assistance with performing an analysis of the data. Sanitary sewer information is part of an overall infrastructure element, referred to as a “general sanitary sewer, solid waste, drainage, potable water, and natural groundwater aquifer recharge element” by Section 163.3177(6)(c), *Florida Statutes*. The problems and needs for sanitary sewer system should be described within the element as well as a description of the “general facilities that will be required for solution of the problems and needs.”

The *Florida Administrative Code* (F.A.C.) establishes the minimum criteria for preparing each element of the comprehensive plan. The purpose of the sanitary sewer sub-element is to provide the necessary public facilities and services correlated to future land use projections.

How to Select Data

Table 1 on Page 4 displays a list of the sanitary sewer service providers in Pinellas County. This list shows the jurisdictions that provide service, as well as showing the jurisdictions that are retail customers. The geographic service areas within Pinellas County are shown on the Sewer Districts Map on Page 5.

Section 9J-5.011(1)(a) – (e), F.A.C., requires specific data for each service that is provided within a local government’s jurisdiction. The following data is required for sanitary sewer facilities within your jurisdiction:

- (1) For each wastewater treatment facility, identify the governmental authority or agency that has operational responsibility and what proportion of capacity within the system is allocated to serve your jurisdiction if it is a shared facility.
- (2) In addition, the following data it is to be included for each wastewater treatment facility within your jurisdiction: a geographic service area map; the predominant land uses served by the wastewater treatment facility; the design capacity of the facility; current level of demand; and the level-of-service provided.

NOTES:

Each comprehensive plan already contains data and analysis for the sanitary sewer system. Use that data as you follow the directions in the following steps.

- (1) Review the existing sanitary sewer data in your plan within the infrastructure element and compare with the data requirements of Section 9J-5.011(a) – (e) F.A.C. The infrastructure element in your plan may be titled “Infrastructure,” or “Public Facilities and Services,” or other similar wording.

- (2) If the sanitary sewer facilities are the same as those described in the current plan, update the plan by including current level of demand on that system and existing land use data as contained in the future land use element. If the system is your own municipal system, the information will be available from your Public Works Department. If service is provided by Pinellas County, contact either Elizabeth Freeman at efreeman@co.pinellas.fl.us or Gordon Beardslee at gbeardsl@co.pinellas.fl.us.
- (3) If there is a change in the sanitary sewer treatment facility or if there are additional facilities, provide the new data as required for each facility. A new facility would include installation of new collection pipes, not replacement of the same.
- (4) Use the Sewer Districts Map provided on Page 5 to identify the sewer service area for your jurisdiction.
- (5) For those jurisdictions that are retail customers only, rely on the data and analysis in the comprehensive plan prepared by the service provider. In some cases, the sanitary sewer system may have been purchased by Pinellas County in its entirety since the last plan adoption. If so, make sure that this new information is provided and rely on the *Pinellas County Comprehensive Plan* for both data and analysis. Contact either Elizabeth Freeman at efreeman@co.pinellas.fl.us or Gordon Beardslee at gbeardsl@co.pinellas.fl.us.
- (6) If your jurisdiction owns the collection system (the gravity pipelines, force mains, and lift stations), make sure that these facilities are correctly documented in the data.

How to Use the Data for Analysis

Section 9J-5.011(f), F.A.C., requires that the sanitary sewer facility needs should be analyzed as follows:

- (1) Analyze surpluses and deficiencies in capacity considering existing conditions and current demand;
- (2) Analyze the facility capacity for both the 5-year and 10-year planning period based on projected demand at the current level-of-service, using the population forecasts, permitted development and land uses, and available surplus capacity;
- (3) Analyze the general performance and adequacy of the current level-of-service, condition and life of the facilities, and impact of facilities on adjacent natural resources;
- (4) Analyze problems and opportunities regarding facility replacement, expansion, and new facility siting; and
- (5) Analyze soil surveys for areas served by septic tanks.

NOTES:

Again, use the adopted plan as the basis for providing analysis of the sanitary sewer system as it currently exists.

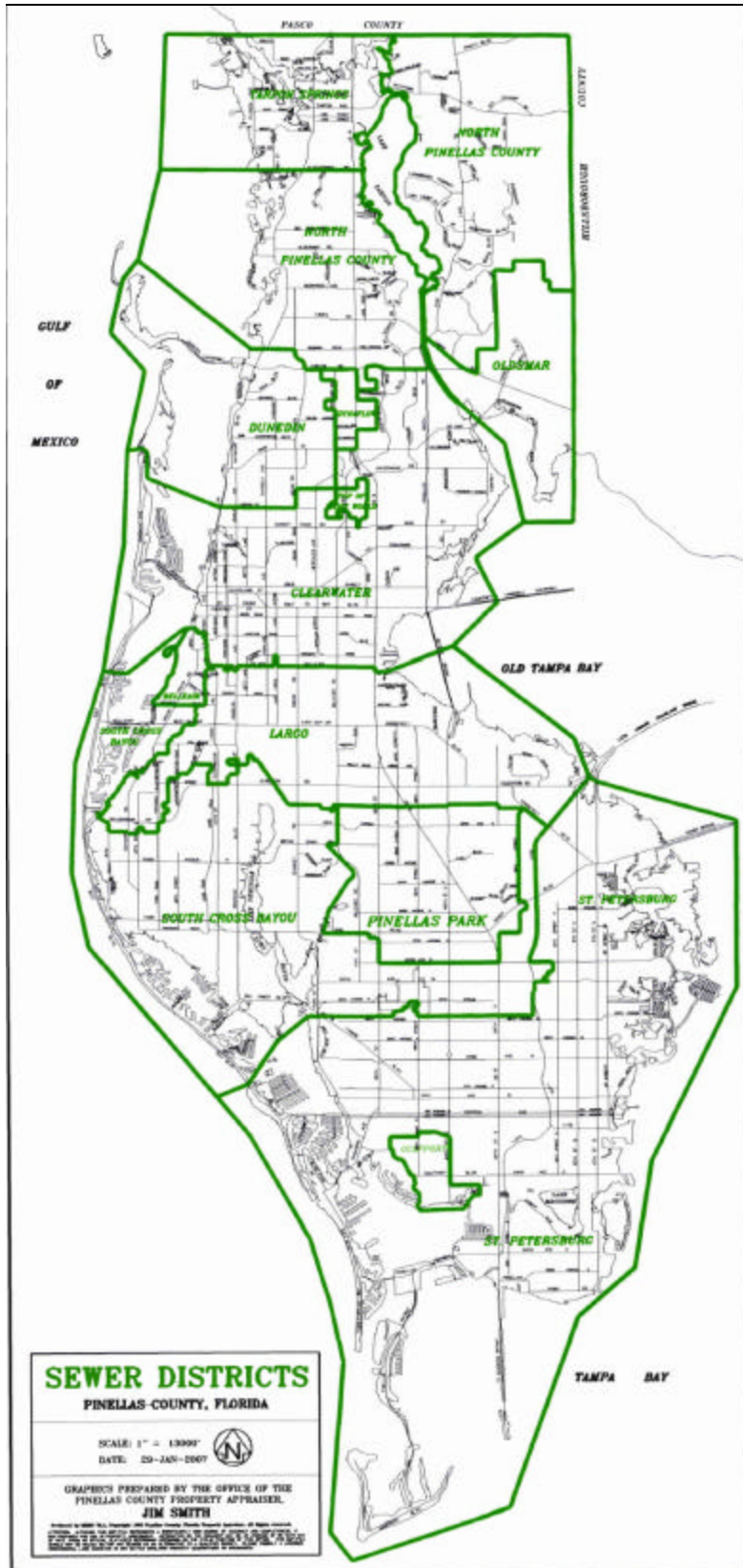
- (1) Review the existing analysis within the sanitary sewer sub-element for those treatment facilities that are the same.
- (2) Use the requirements from 9J-5.011, F.A.C., listed above to complete the analysis. Summarize the system facilities, including any changes, whether there is any surplus capacity or deficiencies in capacity, and relate these to the future land use map and projected population as included in the future land use element.
- (3) For new facilities, write a brief summary of any additional capacity available and how the system has been expanded to meet additional demands based on the future land use map. Or, if the facility replaces a previous facility in order to continue the same service that should be explained.
- (4) If no additional capacity is required because your community has no land use changes, summarize the system's ability to continue providing service at the adopted level-of-service.
- (5) Explain the expected life of the facilities, their general performance and condition. If the facilities are in the same place as the previous plan, the impact of the facilities on the adjacent natural resources should be the same as the current plan.
- (6) Developments are required to be served by central sewer facilities, if feasible. Use the following statement for the soils analysis for septic tanks:

Almost all of Pinellas County and its municipalities either have a central system in place for wastewater collection and treatment or have such a system available for connection. Connection to a system is required. In rare instances, an individual parcel may be located where physical constraints prevent the extension of wastewater lines. This is the only instance where a septic system is potentially permissible. Therefore, the need to address soil suitability is limited to a case-by-case analysis when the central system cannot be extended to a parcel. Further, soil suitability was part of the initial suitability analysis required in 9J-5.006(2)(b).

TABLE 1 SERVICE PROVIDER/SERVICE RECIPIENT RELATIONSHIP – SANITARY SEWER SYSTEMS										
<i>Pinellas County Jurisdiction</i>	<i>Pinellas Co. Retail</i>	<i>Pinellas Co. Wholesale/Treatment</i>	<i>Belleair</i>	<i>Clearwater</i>	<i>Dunedin</i>	<i>Largo</i>	<i>Oldsmar</i>	<i>St. Petersburg</i>	<i>Tarpon Springs</i>	<i>Municipal Collection System Only</i>
Belleair	X									
Belleair Beach		X								X
Belleair Bluffs	X									
Belleair Shore	X									
Clearwater				X						
Dunedin					X					
Gulfport								X ¹		X
Indian Rocks Beach		X								X
Indian Shores	X									
Kenneth City	X									
Largo						X				
Madeira Beach		X								X
N. Redington Beach	X									
Oldsmar							X			
Pinellas Park		X				X		X ¹		X
Redington Beach	X									
Redington Shores		X								X
Safety Harbor				X ¹						X
St. Petersburg	X					X ¹		X		
St. Pete Beach								X ¹		X
Seminole	X									
South Pasadena								X ¹		X
Tarpon Springs									X	
Treasure Island								X ¹		X

¹ Sewer system only provides treatment.

Source: Pinellas County Planning Department. *Service Delivery in Pinellas County*, Table 3-2, Page 11.



Source: Pinellas Planning Council, 2007.

Data Sources

The data sources listed are located on the Pinellas Planning Council web site under the heading “Evaluation and Appraisal Report (EAR)-Based Amendments Resource Page” (www.pinellasplanningcouncil.org/state/earba.htm).

Pinellas County Planning Department. *Service Delivery in Pinellas County: An Inventory and Assessment of Service Delivery Agreements*. January 29, 2004.

Pinellas County Planning Department. *Compendium of the Comprehensive Plan*. February 17, 1998, as amended through April 4, 2006.