

**PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY**  
**BOARD OF DIRECTORS MEETING**  
*December 4, 2024*

**CONSENT AGENDA**  
**ITEM 3**

**Special District Public Facilities Report (December 2024)**

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**Recommended Action -** **Motion** to approve ‘Special District Public Facilities Report’ (December 2024).

Chapter 189.08, Florida Statutes requires that each independent special district shall submit to each general-purpose government in which it is located a public facilities report and annual notice of any changes. The public facilities report is to specify the following:

- a) Description of existing public facilities owned or operate by the special district to include
  - current capacity,
  - current demands placed on it, and
  - location.
- b) Description of facilities proposed to be built in next 7 years to include proposed financing.
- c) Description of facilities proposed to be replaced within the next 10 years.
- d) Anticipated time of construction will be completed.
- e) Anticipated capacity and demands when completed

The previously approved ‘Special District Public Facilities Report’ (December 2023) has been updated to include the current status of the Regional Transmission system expansion (Phase 2B and 3C Interconnects), the status of the Surface Water System Expansion Program which includes the PR3 Reservoir and associated improvements, expansion of water treatment capacity at the Peace River Facility, status of the assessment of Brackish Groundwater Reverse Osmosis development at the Peace River Facility, and other smaller projects in the 5-year CIP.

**Budget Action:** No Action Needed

**Attachments:**  
Special District Public Facilities Report (December 2024)

# Peace River Manasota Regional Water Supply Authority

## Special District Public Facilities Report

*[Revised December 2024]*

Pursuant to Section 189.08, Florida Statute, special districts of the state are required to file special district public facilities reports with each local government in which the special districts are located. The purpose of the report is to provide local governments with information that may be pertinent to the development and updating of the local governments' comprehensive plan.

### **Overview**

The Peace River Manasota Regional Water Supply Authority is an independent special district created and existing pursuant to Florida Statutes and interlocal agreement between Charlotte, DeSoto, Manatee and Sarasota Counties. The boundaries of the Authority consist of the entirety of DeSoto, Manatee and Sarasota Counties and those parts of Charlotte County which are under the jurisdiction of the Southwest Florida Water Management District.

The Authority is a regional water supply authority that provides wholesale drinking water to its member counties and the City of North Port supporting the region's economy and quality of life.

### **Statutory Requirements**

Pursuant to Section 373.713, Florida Statutes, the Authority shall design, construct, operate, and maintain facilities in locations and at the times necessary to ensure that an adequate water supply will be available to all citizens within the Authority. By statute, the Authority is to maximize the economic development of the water resources while supplying water in such a manner as will give priority to reducing adverse environmental effects.

### **History**

The Authority was created in 1982. Through its initial decade the Authority focused on planning the interconnection of water systems within the region. In 1991 the privately owned water utility in the region, General Development Utilities (GDU), went into bankruptcy that led to acquisition of the existing water treatment plant, the Peace River Facility that provided water to only a small segment of the region in Charlotte and DeSoto counties and the City of North Port.

Through the following four decades the Authority invested over \$375M in the expansion of the Peace River Facility and extension of the regional transmission pipeline system to provide water service to Authority Customers.

Today the Authority is a major water supplier for the region. The Peace River Facility treatment capacity has been expanded from 12 to 51 million gallons per day (MGD) incorporating a 6.5 billion gallon (BG) off-stream raw water reservoir system and aquifer storage/recovery system (ASR) providing an additional 6.3 BG of storage. The regional transmission system has been extended from the seven miles originally acquired from GDU in 1991, and now includes approximately 81 miles of large diameter pipeline delivering drinking water to Charlotte, DeSoto and Sarasota Counties and the City of North Port.

### **Existing Public Facilities**

A description of existing public facilities owned or operated by the Authority including the current capacity of the facility, current demands placed upon it, and its location.

#### a) Water Supply

The Authority owns and operates the Peace River Facility located in southwest DeSoto County. The Peace River Facility is a 51 MGD surface water treatment facility utilizing the Peace River as a water source. Water is withdrawn from the Peace River at a 120 MGD pumping station in accordance with a withdrawal schedule established by the Southwest Florida Water Management District in a 50-year water use permit issued to the Authority. The permit withdrawal schedule preserves the freshwater flow in the river necessary to support the Charlotte harbor estuary.

The water supply system includes an off-stream reservoir system with 6.5 billion gallons storage capacity and an ASR system consisting of 21 ASR wells with a design storage capacity of approximately 6.3 billion gallons at the Peace River Facility site.

#### b) Regional integrated Loop System

The Authority currently maintains a network of approximately 81 miles of transmission pipeline for delivery of treated drinking water to its member governments and customers (Figure 1). Off-site finished water storage tanks and pump stations are maintained in three locations, Phase 1A P.S. in Punta Gorda, DeSoto S. Booster in DeSoto County, and the 3A P.S. at the Carlton Water Treatment Plant in Sarasota County.

The Authority also has interconnects with other water systems including: City of Punta Gorda Utilities and Englewood Water District. These interconnects are available to supply water in case of natural disaster, equipment maintenance or failure, resource stress or unforeseen or unplanned increase in water demand.

### **Proposed Public Facilities**

A description of public facilities the Authority is building, improving or expanding, or is proposing to build, improve or expand within the next 7 years including how the Authority currently proposes to finance the facilities is provided below.

a) Water Supply

Study on the conversion of the ASR system to partially treated water for injection is on-going, as is final design and permitting for expansion of the surface water supply system which will include a new 9 billion gallon off-stream reservoir on the RV Griffin Reserve, and expansion of the Peace River Water Treatment Facility capacity from the current 51 MGD capacity to 75 MGD. Preliminary design for a future 5 - 9 MGD brackish groundwater Reverse Osmosis supply at the Peace River Facility is also complete. In order to meet Customer demand projections, the Authority's Board selected the Surface Water Supply Expansion Project to move into Construction in FY 2025. New supply is scheduled to be available in FY 2028.

b) Regional integrated Loop System

The Authority's 20-year expansion program identifies construction of an additional 72 miles of interconnecting pipelines to support regional reliability, provide supplies to meet growing needs, share resources to the benefit of all residents in the four-county service area, and ensure that public water supply is provided in an environmentally sustainable manner. These pipelines include the 7-mile, 42-inch diameter Phase 3C Regional Interconnect in Sarasota County, and the 13-mile 42-inch diameter Phase 2B Regional Interconnect in northern Charlotte and southern Sarasota County. These two projects are both under construction and will extend the regional system to meet Customer needs and support improved system reliability. Both pipeline projects are scheduled to be complete by FY 2026.

c) Other Facilities

The Authority's 5-Year Capital Improvement Plan includes two additional projects that will begin or be completed by 2028. These include moving an existing 24-inch diameter pipeline along Kings Highway to accommodate roadway expansion, and construction of a building to replace the current 60-year old water resources building at the Peace River Facility. Both projects are further described in the tables below.

Figure 1. Existing Regional System

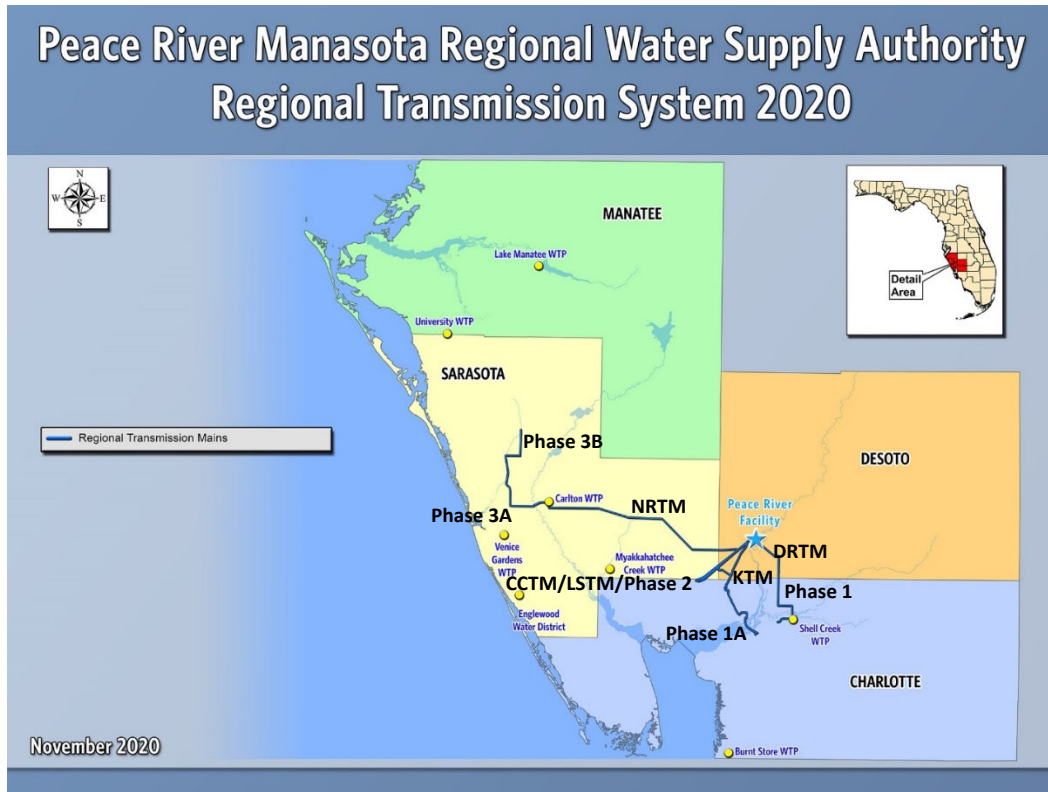
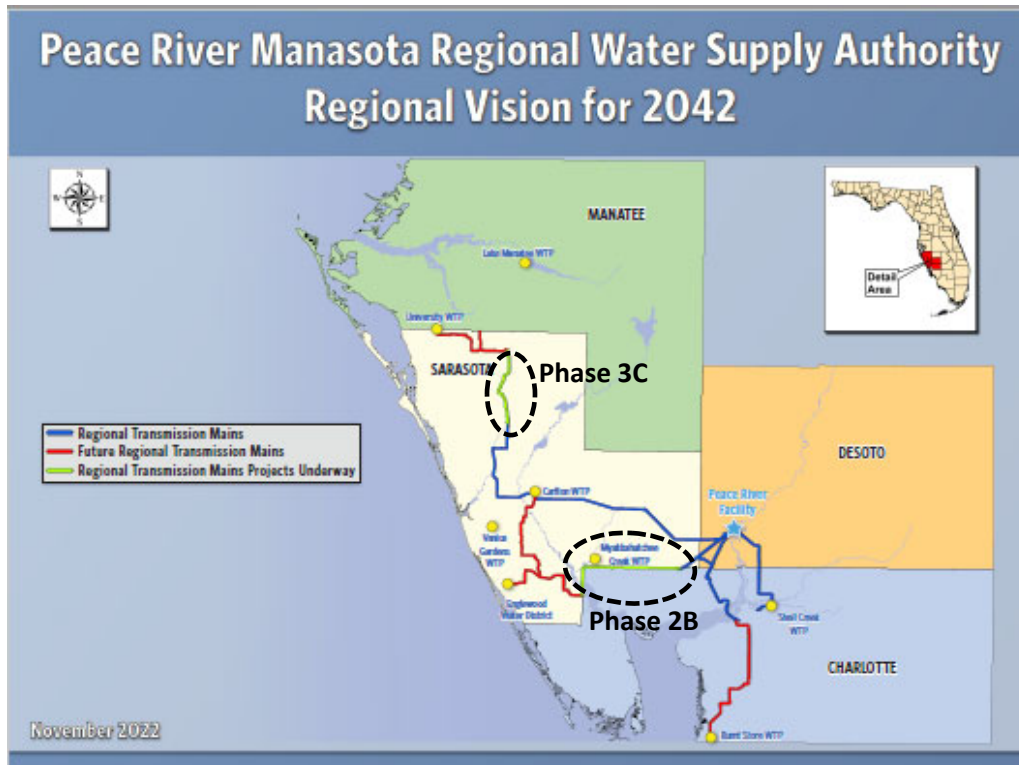


Figure 2. Regional Transmission System Extensions – Ongoing Transmission Main Projects (2024)



**Table 1. Existing Water Supply Facilities**

Facility	Current Permitted Capacity	Current Demands	Year Constructed	Location
Peace River Facility <ul style="list-style-type: none"> <li>• 1991 Acquisition</li> <li>• Peace River Option</li> <li>• Regional Expansion Program</li> </ul>	51 MGD	34.7 MGD	1980 2001 2009	8998 SW County road 769 Arcadia, FL
Reservoir No. 1	0.5 BG	0.5 BG	1980	Peace River Facility site, DeSoto County
Reservoir No. 2	6 BG	6 BG	2009	Peace River Facility site, DeSoto County
ASR Wellfield	6.3 BG	6.3 BG	1980 - 2001	Peace River Facility site, DeSoto County
Punta Gorda Storage Tank Pump Station	0.5 MG 6.0 MGD	0.5 MG 1.0 MGD	2012	Cleveland Area along U.S. 17 Charlotte County
Carlton Storage Tanks Pump Station	10 MG 18.5 MGD	10 MG 7.0 MGD	2011	Carlton Water Treatment Plant Sarasota County
South Booster Station South Booster Storage Tank	3 MGD 0.5 MG	1 MGD 0.5 MG	2021 (acquired)	U.S Highway 17, DeSoto County/Charlotte County Line

MGD – Million Gallons per Day

BG – Billion Gallons

**Table 2. Existing Pipelines**

<b>Facility</b>	<b>Diameter (inches)</b>	<b>Material</b>	<b>Length</b>	<b>Year Constructed</b>	<b>Location</b>
Charlotte County Transmission Main (CCTM)	36	PCCP	7 miles	1980	DeSoto County/Charlotte County/City of North Port
Lake Suzy Transmission Main (LSTM)	12	PVC	2.4 miles	1980	DeSoto County
North Regional Transmission Main (NRTM)	42	Steel	23 miles	2001	DeSoto County/Sarasota County
Kings Highway Transmission Main (KTM)	24	DIP	5 miles	2001	DeSoto County
Desoto Regional Transmission Main (DRTM)	20	DIP	7 miles	2005	DeSoto County
Phase 1A Regional Interconnect and Pump Station	24	DIP	9 miles	2012	DeSoto County/Charlotte County
Phase 2 Regional Interconnect	42	DIP	7 miles	2013	DeSoto County/City of North Port/Charlotte County
Phase 3A Regional Interconnect and Pump Station	48	Steel	9 miles	2011	Sarasota County
Phase 1 Regional Interconnect	24	DIP	6.4 miles	2020	DeSoto County/Charlotte County
Phase 3B Regional Interconnect	48/36	Steel	5 miles	2021	Sarasota County

PCCP – Prestressed Concrete Cylinder Pipe

DIP – Ductile Iron Pipe

**Table 3. Proposed Water Supply Facilities to be built in the next 7 years**

Facility	Description	Anticipated Completion	Anticipated Capacity	Anticipated Demand	Proposed Financing
Partially Treated Water ASR Conversion	Pump station, filtration and disinfection system to convert existing finished water ASR system in Wellfield 2 to use partially treated water from the reservoir system for operational costs savings.	2028	12 MGD (no increase in Avg Day Yield)	12 MGD	Water Rates Grant Funds
Peace River Surface Water Expansion Project	New 9 BG off-stream storage reservoir, increased water intake capacity on the Peace River to 258 MGD. Expand treatment capacity at the Peace River Facility by 24 MGD from current 51 MGD to 75 MGD.	2028	75 MGD (Treatment) 18 MGD (Avg. Day Yield)	53 MGD	Water Rates Grant Funds
Brackish Groundwater Reverse Osmosis Facility	15 MGD Brackish groundwater wellfield and associated Reverse Osmosis Treatment Facilities and concentrate disposal wells.	2028	9 MGD (Avg. Day Yield)	43.7 MGD	Water Rates Grant Funds

**Table 4. Proposed Regional Transmission Pipelines to be built in the next 7 years**

Facility	Description	Anticipated Completion	Diameter	Length	Proposed Financing
Phase 3C Regional Interconnect	RTM extending north from connection with 3B RTM to Fruitville Rd. Includes Regional pumping & storage improvements at the Carlton WTP site .	2026	42-inch	7 miles	Water Rates Grant Funds
Phase 2B Regional Interconnect	RTM extending west from regional Serris Blvd. connection to Charlotte County Utilities Gulf Cove Booster Station.	2026	42-inch	13 miles	Water Rates Grant Funds

**Table 5. Proposed Other Facilities to be built in the next 7 years**

Facility	Description	Anticipated Completion	Diameter	Length	Proposed Financing
Kings Highway 24-Inch RTM	Relocate/replace a portion of the Kings Highway RTM due to CR 769 road widening.	2027	24"-30"	Relocate Approx. 2 miles	Water Rates
Water Resources/Construction Dept. Building Replacement	Due to age (60 years) and Hurricane Ian damage, replace existing water resources building with new office building on same property.	2027	N/A	N/A	Water Rates