



# Southwest Ranches Town Council

## LOCAL PLANNING AGENCY

Agenda of January 28, 2021

Southwest Ranches Council Chambers  
7:00 PM Thursday

13400 Griffin Road  
Southwest Ranches, FL 33330

<b><u>Mayor</u></b> Steve Breitkreuz	<b><u>Town Council</u></b> Jim Allbritton Gary Jablonski David Kuczenski	<b><u>Town Administrator</u></b> Andrew D. Berns, MPA	<b><u>Town Attorney</u></b> Keith M. Poliakoff, J.D.
<b><u>Vice Mayor</u></b> Bob Hartmann		<b><u>Town Financial Administrator</u></b> Martin Sherwood, CPA CGFO	<b><u>Assistant Town Administrator/Town Clerk</u></b> Russell C. Muniz, MPA

In accordance with the Americans with Disabilities Act of 1990, persons needing special accommodation, a sign language interpreter or hearing impaired to participate in this proceeding should contact the Town Clerk at (954) 434-0008 for assistance no later than four days prior to the meeting.

1. **Call to Order**
2. **Roll Call**

### **Resolutions**

3. **LPA RESOLUTION FOR WATER SUPPLY PLAN UPDATE**

A RESOLUTION OF THE LOCAL PLANNING AGENCY OF THE TOWN OF SOUTHWEST RANCHES, FLORIDA ("LPA"), RECOMMENDING THAT THE TOWN COUNCIL APPROVE THE TEN-YEAR WATER SUPPLY FACILITIES WORK PLAN ("WSFWP") AND ADOPT AMENDMENTS TO THE TEXT OF UTILITIES ELEMENT AND CAPITAL IMPROVEMENTS ELEMENT OF THE TOWN OF SOUTHWEST RANCHES COMPREHENSIVE PLAN; PROVIDING FOR AN EFFECTIVE DATE. (APPLICATION NO. PA-20-3)

4. **Approval of Minutes**
  - a. **November 19, 2020 LPA Minutes**
5. **Adjournment**

PURSUANT TO FLORIDA STATUTES 286.0105, THE TOWN HEREBY ADVISES THE PUBLIC THAT IF A PERSON DECIDES TO APPEAL ANY DECISION MADE BY THIS COUNCIL WITH RESPECT TO ANY MATTER CONSIDERED AT ITS MEETING OR HEARING, HE OR SHE WILL NEED A RECORD OF THE PROCEEDINGS, AND THAT FOR SUCH PURPOSE, THE AFFECTED PERSON MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDING IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. THIS NOTICE DOES NOT CONSTITUTE CONSENT BY THE TOWN FOR THE INTRODUCTION OR ADMISSION OF OTHERWISE INADMISSIBLE OR IRRELEVANT EVIDENCE, NOR DOES IT AUTHORIZE CHALLENGES OR APPEALS NOT OTHERWISE ALLOWED BY LAW.

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**Town of Southwest Ranches**  
**13400 Griffin Road**  
**Southwest Ranches, FL 33330-2628**

**(954) 434-0008 Town Hall**  
**(954) 434-1490 Fax**

**Town Council**  
**Steve Breitkreuz, Mayor**  
**Bob Hartmann, Vice Mayor**  
**Jim Allbritton, Council Member**  
**Gary Jablonski, Council Member**  
**David Kuczenski, Council Member**

**Andrew D. Berns, MPA, Town Administrator**  
**Keith M. Poliakoff, JD, Town Attorney**  
**Russell Muniz, MPA, Assistant Town Administrator/Town Clerk**  
**Martin D. Sherwood, CPA, CGMA, CGFO, Town Financial Administrator**

## **COUNCIL MEMORANDUM**

**TO:** Honorable Mayor Breitkreuz and Town Council  
**VIA:** Andrew Berns, Town Administrator  
**FROM:** Jeff Katims  
**DATE:** 1/28/2021  
**SUBJECT:** LPA RESOLUTION FOR WATER SUPPLY PLAN UPDATE

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### **Recommendation**

That the LPA recommend the Town Council approve the WSWFP and adopt the related policy amendments to the Capital Improvements and Utilities Elements.

- A. Sound Governance
- B. Enhanced Resource Management
- D. Improved Infrastructure

### **Background**

Florida law requires that all local governments and utility providers prepare an update to their adopted Ten-Year Water Supply Facilities Work Plan (WSFWP) to reflect changes in the Water Management District's Regional Water Supply Plan, which occurs every five years. Additional information is included in the staff memorandum.

### **Fiscal Impact/Analysis**

N/A

### **Staff Contact:**

Jeff Katims

### **ATTACHMENTS:**

Description	Upload Date	Type
Water Supply Facilities Plan LPA Resolution - TA Approved	11/12/2020	Resolution
Water Supply Facilities Work Plan	10/22/2020	Backup Material

**LPA RESOLUTION NO. 2021-\_\_\_\_\_**

**A RESOLUTION OF THE LOCAL PLANNING AGENCY OF THE TOWN OF SOUTHWEST RANCHES, FLORIDA ("LPA"), RECOMMENDING THAT THE TOWN COUNCIL APPROVE THE TEN-YEAR WATER SUPPLY FACILITIES WORK PLAN ("WSFWP") AND ADOPT AMENDMENTS TO THE TEXT OF UTILITIES ELEMENT AND CAPITAL IMPROVEMENTS ELEMENT OF THE TOWN OF SOUTHWEST RANCHES COMPREHENSIVE PLAN; PROVIDING FOR AN EFFECTIVE DATE. (APPLICATION NO. PA-20-3)**

**WHEREAS**, the Town has updated its WSFWP and certain related Comprehensive Plan policies as required in Section 163.3177, Florida Statutes; and

**WHEREAS**, the Town Council, sitting as the Local Planning Agency, finds that the goals, objectives and policies adopted in support of the previous Ten-Year WSFWP continue to be relevant and appropriate for the next ten-year planning period; and, that amendments to the adopted Capital Improvements Element and Utilities Element are limited to updating of references to ten-year WSFWPs adopted by third party utilities that serve small portions of the Town.

**NOW THEREFORE, BE IT RESOLVED BY LOCAL PLANNING AGENCY OF THE TOWN OF SOUTHWEST RANCHES, FLORIDA:**

**Section 1. ADOPTION OF RECITALS.** The foregoing recitals are true and correct and are incorporated herein by reference.

**Section 2. RECOMMENDATION.** The Local Planning Agency recommends that the Town Council approve the WSFWP update, and adopt the proposed amendment attached as Exhibit "A" hereto.

**Section 3. EFFECTIVE DATE.** This Resolution shall be effective immediately upon its passage.

**PASSED** this 19<sup>th</sup> day of November, 2020 on a motion made by

Council Member \_\_\_\_\_ and seconded by Council Member \_\_\_\_\_.

**[Signatures on the Following Page]**

Breitkreuz \_\_\_\_\_  
Hartmann \_\_\_\_\_  
Allbritton \_\_\_\_\_  
Jablonski \_\_\_\_\_  
Kuczenski \_\_\_\_\_

Ayes \_\_\_\_\_  
Nays \_\_\_\_\_  
Absent \_\_\_\_\_  
Abstaining \_\_\_\_\_

---

Steve Breitkreuz, Mayor

Attest:

---

Russell Muñiz, Assistant Town Administrator/Town Clerk

Approved as to Form and Correctness:

---

Keith Poliakoff, Town Attorney

37741454.1

LPA Resolution No. 2021- \_\_\_\_\_

# EXHIBIT "A"



## TOWN OF SOUTHWEST RANCHES, FLORIDA

### TEN-YEAR WATER SUPPLY FACILITIES WORK PLAN

**Prepared For:**  
**Florida Department of Economic Opportunity**  
**&**  
**South Florida Water Management District**

**Prepared By:**  
**The Mellgren Planning Group**

**2020**

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## **1.0 INTRODUCTION**

The purpose of the Town of Southwest Ranches Water Supply Facilities Work Plan (Work Plan) is to identify and plan for the water supply sources and facilities needed to serve existing and new development within the Town’s jurisdiction. Chapter 163, Part II, Florida Statutes (F.S.), requires local governments to prepare, adopt or update Work Plans into their comprehensive plans within 18 months after the South Florida Water Management District (“District” or “SFWMD”) approves a regional water supply plan or its update. The Lower East Coast Water Supply Plan Update was approved by the District’s Governing Board in November 2018. Therefore, the deadline for local governments within the Lower East Coast (“LEC”) Region to amend their comprehensive plans to update the Work Plan is May 2020.

Residents of the Town of Southwest Ranches obtain their water from domestic self-supply and recreational/landscape self-supply systems (i.e., individually owned, private well systems). The Town does not own or operate any potable water distribution or supply facilities. There are two potable water distribution systems, owned and operated by adjacent municipalities, located within the Town. Each resident in the Town served by a centralized water system is a retail customer of the entity that owns and operates the system. At the eastern edge of the Town, Cooper City provides centralized potable water service to a limited number of properties and will not extend its system to serve any additional properties. In the middle of the Town, the City of Sunrise provides potable water service to some properties.

This Work Plan ensures consistency with state guidelines and ensures adequate water supply for existing and new development by supporting various SFWMD, Broward County and local initiatives in the Town’s Comprehensive Plan, identified and referenced in Section 3.0 Data and Analysis, and Section 5.0 Goals, Objectives and Policies.

The Work Plan is divided into five sections:

Section 1 – Introduction

Section 2 – Background Information

Section 3 – Data and Analysis

Section 4 – Work Plan Projects/Capital Improvement Element/Schedule

Section 5 – Goals, Objectives, and Policies

### **1.1 STATUTORY HISTORY**

In 2002, 2004, 2005, 2011, 2012, 2015, and 2016 the Florida Legislature enacted bills to address the State of Florida’s water supply needs. These bills, particularly Senate Bills 360 and 444 (2005 legislative session), significantly changed Chapters 163 and 373 Florida Statutes (“F.S.”) by strengthening the statutory links between the regional

water supply plans prepared by the regional water management districts and the comprehensive plans prepared by local governments. In addition, these bills established the basis for improving coordination between local land use planning and water supply planning.

## 1.2 STATUTORY REQUIREMENTS

The Town of Southwest Ranches has considered the following statutory provisions when updating the Water Supply Facilities Work Plan (Work Plan):

1. Coordinate appropriate aspects of its comprehensive plan with the Lower East Coast Regional Water Supply Plan [163.3177(4) (a), F.S.]. *The Town's Comprehensive Plan ensures a meaningful process for collaborative planning and intergovernmental coordination, on a continuing and ongoing basis on water supply issues between the Town, the South Florida Water Management District, Broward County and the local governments that provide service to the Town.*
2. Ensure the future land use plan is based upon availability of adequate water supplies and public facilities and services [s.163.3177 (6) (a), F.S.]. Data and analysis demonstrating that adequate water supplies and associated public facilities will be available to meet projected growth demands must accompany all proposed Future Land Use Map amendments submitted for review. *The Town does not own or operate any potable water distribution or supply facilities and is entirely dependent on domestic self-supply. The Town's Future Land Use Element of the Comprehensive Plan ensures the adequacy of the Town's self-supply by limiting more than 95% of the Town's land area to single family estates on lots of at least one to two acres in size, conservation land, passive open space, and agriculture consisting of livestock farms, equestrian farms and plant nurseries. There are two potable water distribution systems, owned and operated by adjacent municipalities. Those public facilities owned and operated by Cooper City and the City of Sunrise will be available to meet optional residential demand, if deemed desirable by Town residents.*
3. Ensure that adequate water supplies and potable water facilities are available to serve new development no later than the issuance by the local government of a certificate of occupancy or its functional equivalent and consult with the applicable water supplier to determine whether adequate water supplies will be available to serve the development by the anticipated issuance date of the certificate of occupancy [s.163.3180 (2), F.S.]. *The adopted comprehensive plan and land development regulations require a determination of adequate potable water supply no later than issuance of a building permit.*
4. Revise the Five-Year Schedule of Capital Improvements to include water supply, reuse, and conservation projects and programs to be implemented during the five-year period [s. 163.3177(3)(a)4, F.S.]. *The Town does not own or operate any potable water distribution or supply facilities; therefore, the Town does not have any programs or projects in the five-year schedule of capital improvements to support water supply, reuse and conservation projects.*

*The Five-Year Schedule of Capital Improvements for projects and programs implemented by the municipalities providing service to the Town are provided in Section Four of this WSWFP Update.*

5. Revise the Comprehensive Plan to assess projected water needs and sources, considering the Lower East Coast Water Supply Plan, as well as applicable consumptive use permit(s) [s.163.3177 (6) (d), F.S.]. The plan should address the water supply sources necessary to meet and achieve the existing and projected water use demand for the established planning period, considering the applicable regional water supply plan [s.163.3167(9), F.S.]. *The Town is a Domestic and Small Public Supply (DSS) municipality pursuant to the 2018 LEC Plan Update, utilizing self-supply private wells. Pursuant to the 2018 LEC Plan Update, "...all current and future needs in this use category are expected to be met from private wells using fresh groundwater from the SAS. As such, no water supply development projects have been proposed for this use category."*
6. To the extent necessary to maintain internal consistency after addressing the above requirements, revise the Intergovernmental Coordination Element to ensure coordination of the comprehensive plan with the Lower East Coast Regional Water Supply Plan [s.163.3177 (6) (h) 1., F.S.]. *The Town's Intergovernmental Coordination Element ensures coordination of the Comprehensive Plan and the Lower East Coast Regional Water Supply Plan as well as ongoing and continuous communication between the Town, the South Florida Water Management District, Broward County and the local governments that provide service to the Town.*
7. While an Evaluation and Appraisal Report is not required, local governments are encouraged to comprehensively evaluate, and update as necessary, comprehensive plans to reflect changes in local conditions every seven years. The evaluation could address the extent to which the local government has implemented the need to update their Work Plan, including the development of alternative water supplies, and determine whether the identified alternative water supply projects, traditional water supply projects, and conservation and reuse programs are meeting local water use demands [s.163.3191 (3), F.S.]. *The Town of Southwest Ranches continually evaluates and appraises issues on an ongoing basis through the Comprehensive Plan Advisory Committee, ensuring the Town's rural lifestyle and preventing future encroachment of development.*

## 2.0 BACKGROUND INFORMATION

The Town of Southwest Ranches is located in southwest Broward County, Florida. It is a semi-rural agricultural and equestrian community incorporated to prevent development encroachment and preserve a rural lifestyle. Development within Southwest Ranches consists of single-family detached residences on large lots (predominantly two acres and larger), one shopping center and several community facility land uses (mostly places of worship). The Town encompasses a land area of approximately 13 square miles and has a population of 7,616 (2014).<sup>1</sup> Only two small portions of the Town are currently served by a centralized potable water system. The Town generally opposes any further expansion of these utilities, as a matter of policy. The Town’s population is projected to increase by approximately 15.5 percent between 2015 and 2040, from 7,616 to approximately 8,797. All of this growth will be accommodated by the remaining vacant land designated for single family estates. There are no areas of the Town designated for attached housing of any kind, or single-family detached housing on lots smaller than one full acre. Additionally, the few isolated areas of the Town designated for nonresidential and nonagricultural use, include the former 30-acre prison site, Master’s Academy and West Broward Church, which will require water service expansion.

YEAR	2016	2020	2025	2030	2035	2040
POPULATION	<b>7,571</b>	<b>7,733</b>	<b>7,972</b>	<b>8,067</b>	<b>8,135</b>	<b>8,187</b>

Source: Florida Housing Data Clearinghouse /Shimberg Center base data, modified (increased) to reflect additional residential development acreage.

## 2.1 OVERVIEW

“The Vision of the Town of Southwest Ranches is to enhance and preserve the unique rural character of its community. The Town shall promote, maintain and protect its agricultural, residential and equestrian lifestyles, sensitive to the natural environment.”

On May 22, 2000, the Governor of Florida approved HB 177 and officially incorporated approximately Thirteen (13) square miles of unincorporated rural areas into the Town of Southwest Ranches. The primary reason the Town’s residents voted for incorporation is clearly stated in the Town’s Charter, Section 1.01 of Article 1 which reads:

“In order to preserve, protect and enhance the quality of life and residential character of the Southwest Ranches (The Town) is hereby created pursuant to the Constitution of the State of Florida.”

<sup>1</sup> Broward County Planning Services Division, 2014

## 2.2 REGIONAL ISSUES

A number of factors distinguish the South Florida Water Management District's Lower East Coast (LEC) Planning Area from other regions of the state, including population, spatial extent of natural systems, availability of fresh water, and an extensive network of canals and related water works. The LEC Planning Area boundary encompasses three of the state's five most populous counties. Extensive natural systems such as Lake Okeechobee, the Everglades, Florida and Biscayne bays, are found in the LEC Planning Area. It includes two national parks and four national wildlife refuges. The area typically receives abundant fresh water seasonally, with volumes exceeding human and natural system needs. Water availability also varies annually, including periodic drought.

**FIGURE 2-1**

### LOWER EAST COAST PLANNING AREA



The regional water management system, the Central and Southern Florida Project for Flood Control and Other Purposes (C&SF Project), is largely located in the LEC Planning Area. The C&SF Project plays a critical role in capturing wet season storm water and moving water between natural systems as well as delivering water to agricultural areas and the urbanized coastal communities. The Town of Southwest Ranches is located in the LEC Planning Area.

According to the SFWMD, the LEC plan's twenty-year population and Public Water Supply (PWS) demand forecast projections indicate the planning area's population will increase by 18 percent, from approximately 5.6 million residents in 2010 to slightly more than 6.6 million by 2030. The Lower East Coast (LEC)

Planning Area covers 6,100 square miles, including Palm Beach, Broward, and Miami-Dade counties, most of Monroe County, and eastern Hendry and Collier counties.

Total water demand is projected to increase by 12 percent to 1,933 million gallons per day (MGD) by 2030. Public Water Supply remains the LEC Planning Area's single largest water use category in 2030, representing 52 percent of the planning area's total water demand. It is followed by agriculture at 34 percent. The remaining four categories, domestic (residential) self-supply recreation and landscaping, industrial, and power generation, account for the remaining 14 percent.

All or most of this demand will be supplied from alternate water sources. Alternate water sources include brackish water from the Floridan Aquifer, reclaimed water, excess storm water during the rainy season, or saltwater from the ocean. Traditional water sources include fresh groundwater from the Surficial Aquifer System (SAS) and the Biscayne Aquifer, and surface water, primarily from the Everglades and Lake Okeechobee.

The LEC planning area traditionally has relied on fresh groundwater from the surficial aquifer system and surface water from Lake Okeechobee as primary water sources for urban, agricultural, and industrial uses. The Everglades provides groundwater and surface water recharge to the urban coastal communities, contributing to the water supply throughout most of this region. In 2010, fresh groundwater accounted for 94 percent of potable water produced by PWS utilities. The surficial aquifer system, including the Biscayne aquifer, provides more than 1 billion gallons a day for utilities, as well as agricultural production, landscape irrigation, and other uses. The SFWMD has placed limitations on allocations from freshwater sources to protect the region's natural resources. As a result, use of alternative water sources has expanded.

Regional issues identified in the 2018 Lower East Coast Regional Water Supply Plan Update are as follows:

1. Fresh surface water and groundwater are limited; further withdrawals could have impacts on the regional system, wetlands, existing legal uses, and saltwater intrusion. As a result, additional alternative water supplies need to be developed.
2. Surface water allocations from Lake Okeechobee and the Water Conservation Areas are limited in accordance with the Lake Okeechobee Service Area RAA criteria.
3. Construction of additional storage systems (e.g., reservoirs, aquifer storage and recovery systems) to capture wet season flow volumes will be necessary to increase water availability during dry conditions and attenuate damaging peak flow events from Lake Okeechobee.
4. Expanded use of reclaimed water is necessary to meet future water supply demands and the Ocean Outfall Law.
5. Expanded use of brackish groundwater from the Floridan aquifer system requires careful planning and wellfield management to prevent undesirable changes in water quality.

In addition, Broward County transmitted its amended Water Supply Facilities Work Plan to the Florida Department of Opportunity on November 13, 2019. This latest Work Plan sites the following regional issues will impact Broward County:

1. Climate Impacts and Future Water Supply Conditions: Climate impacts and future water supply conditions need to be integrated into water resources resilience planning efforts;
2. Water Use Limitation: Limitation of fresh surface water and groundwater use by the SFWMD's Regional Water Availability Rule and Everglades and Lake Okeechobee Minimum Flow and Levels (MFL);
3. Alternative Water Supply: The need to develop diverse water sources to meet current and future water needs, including C-51 Reservoir, Floridan Aquifer, and reuse as mandated by the Ocean Outfall law; and,
4. CERP Implementation: Construction of additional storage systems (e.g. CERP's reservoirs, aquifer storage, and recovery systems) to capture wet season flow volumes will be necessary to increase water availability during dry conditions and attenuate damaging peak flow events from Lake Okeechobee.

Also, the 2019 NSID Water Supply Facilities Work Plan (currently under review), indicates their withdrawal limits from the Biscayne Aquifer has led the entity to focus on implementing capital projects that involve alternative water sources to meet future potable water demands within its boundaries and anticipated future annexations. Some of the NSID capital projects involve reuse, implementation of two Floridan wells, and upgrades to its Reverse Osmosis Water Treatment Plant.

The Town of Southwest Ranches is cognizant of the regional water supply issues and their potential impact to the Town. It should be noted, however, that the Town's water supply is self-supplied, which means these issues are not expected to have any significant impacts to the Town or its residents.

### 3.0 DATA AND ANALYSIS

The intent of the data and analysis section of the Work Plan is to describe information the Town of Southwest Ranches needs to provide to state planning and regulatory agencies as part of their proposed comprehensive plan amendments, particularly those changing the Future Land Use Map (FLUM) to increase density and intensity.

#### 3.1 POPULATION ANALYSIS

The Town of Southwest Ranches is located in southwest Broward County, Florida. It is a semi-rural agricultural and equestrian community. The area is primarily residential, with most lots consisting of 1 acre or more. There are some small farms and equestrian ranches. The Town has laws that keep homes from being built on lots of less than 1 acre, and for about one-third of the Town, 2 acres, and prevents streetlights and sidewalks from being constructed. To support its rural-equestrian lifestyle, the Town has developed miles of multi-use trails. People are often seen riding horses or bicycles or walking the trails that spread throughout the Town. Since incorporation, the town has also acquired seven open-space parks.

Residents of the Town of Southwest Ranches obtain their water from private well systems for domestic self-supply in nearly all developed areas of the Town. New development in the Town is encouraged to develop and rely upon domestic water supply systems as opposed to seeking further expansion of centralized water service, which is discouraged by the Town's Comprehensive Plan. This decision, however, will be ultimately driven by customer/residents' discretion, as centralized potable water is not required due to the very-low residential density and agricultural character and Future Land Use Map restrictions. Further expansion, if any, can be anticipated in the Sunrise water service area as Cooper City has adopted an ordinance prohibiting further expansion of its utility outside of its city service area.

<b>TABLE 3-1:</b>		
<b>LECWSP POPULATION PROJECTIONS FOR COOPER CITY UTILITY SERVICE AREA</b>		
2020	2030	2040
28,543	33,335	33,585

Source: Lower East Coast Water Supply Plan Update, 2018.

<b>TABLE 3-2:</b>		
<b>COOPER CITY UTILITY SERVICE AREA POPULATION PROJECTIONS</b>		
2020	2025	2030
31,401	32,419	33,131

Source: Cooper City Water Supply Plan Update, 2020 (draft).



<b>TABLE 3-3:</b>		
<b>LEC WSP POPULATION PROJECTION FOR SUNRISE UTILITY WATER SERVICE AREA INCLUDING THE TOWN OF SOUTHWEST RANCHES*</b>		
2020	2030	2040
231,288	244,619	251,584

Source: Lower East Coast Water Supply Plan Update, 2018.

Population estimates included in the 2018 LECWSP used 2017 BEBR data while the population projections presented in the City of Sunrise 2019 work plan are based on the published Broward County Population Forecasting Model 2017 which used 2016 BEBR data. The variation is in the range of 0% to 8% in 2040. This variation is a result of many new developments planned within the City service area.

<b>TABLE 3-4:</b>					
<b>CITY OF SUNRISE SERVICE AREA POPULATION PROJECTIONS, INCLUDING THE TOWN OF SOUTHWEST RANCHES</b>					
<b>YEAR</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2040</b>	<b>SERVICE AREA</b>
Weston	66,700	68,400	69,700	69,600	Existing
Davie	62,100	63,300	65,000	68,000	Existing
Sunrise	100,000	103,800	107,400	126,000	Existing
SW Ranches	2,400	2,400	2,500	2,500	Existing
SW Ranches	-	-	-	7,100	Future *
<b>Total</b>	<b>231,300</b>	<b>238,000</b>	<b>244,600</b>	<b>273,100</b>	

Source: City of Sunrise Water Supply Plan Update, 2019 (draft).

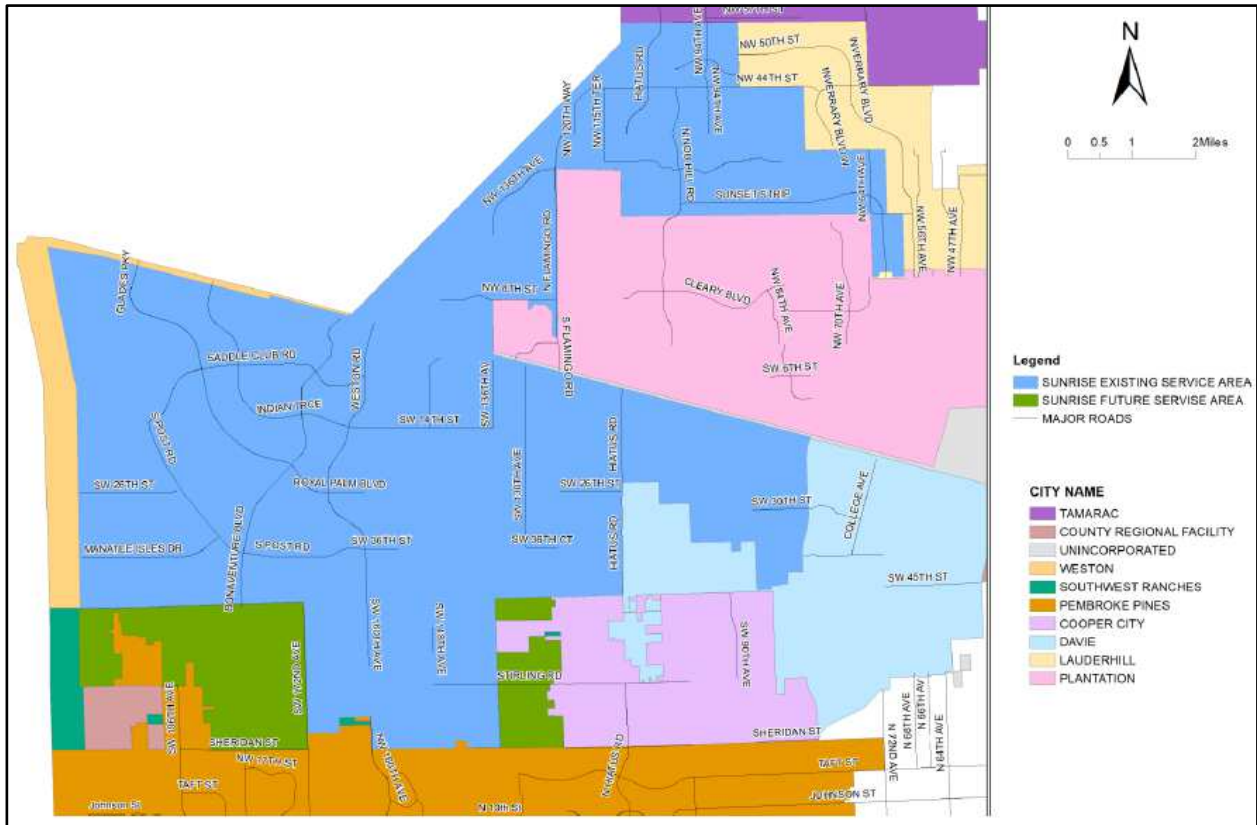
### 3.2 MAPS OF CURRENT AND FUTURE AREAS SERVED

City of Sunrise Utility Service Area:

Figure 3-1 below depicts the existing service area for the City of Sunrise Water Utilities. In the middle portion of the Town, the City of Sunrise provides very limited centralized water service. Each resident in the Town served by a centralized water system is a retail customer of the entity which owns and operates that system. All other areas of the Town have domestic water self-supply (i.e., individually owned private well system).

**FIGURE 3-1**

**CITY OF SUNRISE EXISTING AND FUTURE UTILITY SERVICE AREA**



Source: City of Sunrise WSWFP Update, 2019 (draft).

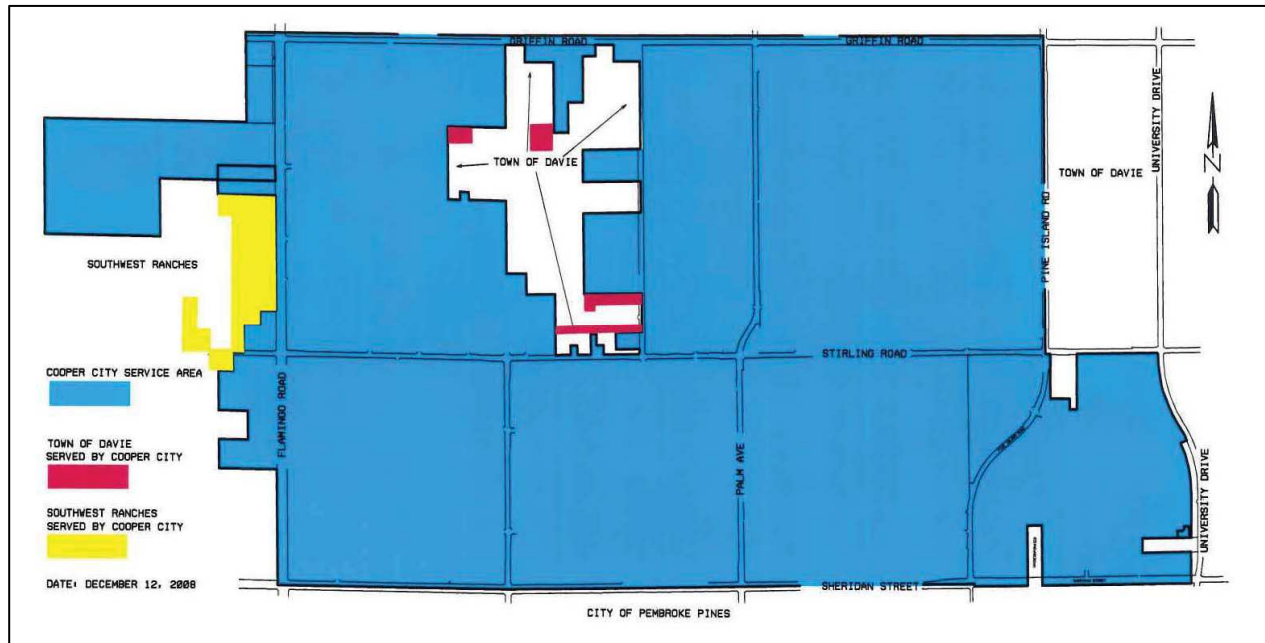
**Cooper City Utility Service Area:**

The Cooper City utility service areas map is provided below (Figure 3-2). It is estimated that fifty (50) residents and a few non-residential properties in the Town of Southwest Ranches are serviced by Cooper City Utilities. Along with customers in the Town of Davie, this represents less than one percent of the total number of users.

Also of note, Cooper City adopted a policy to prohibit facility expansions outside of its municipal boundaries, unless the requesting property lies within the utility service area and is approved by the City Commission (Sec. 19-142, Cooper City Code of Ordinances).

**FIGURE 3-2**

**COOPER CITY CURRENT AND FUTURE UTILITY SERVICE AREA**



Source: Cooper City Utilities Department, 2019.

**3.3 POTABLE WATER LEVEL OF SERVICE STANDARD**

Although the Town of Southwest Ranches does not own or operate its own potable water facilities, as a local government in Florida, it is required to meet all statutory requirements pertaining to the creation of a water supply facilities work plan. As such, included here is an inventory and analysis of the centralized potable water systems located within the Town.

At this time, the water supply for both Sunrise and Cooper City is entirely supported by a “traditional” source of drinking water, that is, the Biscayne Aquifer. The Biscayne Aquifer is one of the most productive aquifers in the world and is the primary source of freshwater for residents of Broward County, Miami-Dade County, and southeastern Palm Beach County. Hydrological modeling indicates that the Biscayne Aquifer gets two-thirds of its water from rainfall infiltration and the remaining third from lateral seepage of the Florida Everglades.

The Town shall maintain the Water Supply Facilities Work Plan for at least a 10-year planning period addressing the water supply facilities necessary to serve existing and future development within the Town.

### *Level of Service Standards*

#### City of Sunrise:

The City of Sunrise Water Supply Plan Update, 2019 (draft) indicates the Level of Service is 127 gallons per day per capita (gpd) for all uses.

Existing distribution system capacity is adequate to serve future demands for the planning period (through 2030).

#### Cooper City:

Cooper City's Level of Service is 96 gallons per day per capita (gpd) for residential uses; resulting in 5% water savings from water conservation practices adopted by the City.

The non-residential level of service standards are 0.08 gallons per day per square foot for office buildings and 0.15 gallons per day per square foot for commercial businesses.

Based on the 2018 LECWSP Update, Cooper City's 2030 potable water demand is projected at 3.45 mgd for net/finished water and 4.13 mgd for gross/raw water demand). The water treatment plant production capacity is 7 mgd and is adequate to serve anticipated 2030 needs. Existing distribution system capacity is adequate to serve 2030 demands.

## **3.4 POPULATION AND POTABLE WATER DEMAND PROJECTIONS FOR CITY OF SUNRISE & COOPER CITY**

### *Consumptive Use Permitting*

The SFWMD regulates the volume of water that can be withdrawn from surface and groundwater through the use of a Consumptive Use Permit (CUP) pursuant to Part II of Chapter 373 of the Florida Statutes. In addition to a system-wide maximum day allocation, the CUP also identifies a maximum day withdrawal for each wellfield.

Land owners seeking to develop land, must apply for withdrawals through the SFWMD. The issuance of Consumptive Use Permits, which allows for groundwater withdrawals, applicants must meet the criteria of a "three-prong test." The test requires reasonable and beneficial use of the resource; consistency with public interest, including compliance with minimum flows and levels (MLFs) established for surface water and groundwater sources; and, demonstration of no adverse impact to existing legal users (Chapter 373, F.S.).

Cooper City's 20-year Water Use Permit Number 06-00365-W was issued by SFWMD in April 2010. The permit allows the City to withdraw an annual allocation of 1,661 million gallons (MG) (equivalent to 4.55 million gallons per day) from the Biscayne Aquifer until 2030, with a monthly maximum allocation of 171.5 MG.

The last CUP (Permit No 06-00120-W) issued by the SFWMD to the City of Sunrise was in May 2008. The Permit included the Springtree, Sawgrass (Arena), Southwest, and Flamingo Park wellfields and allows a combined average withdrawal of 29.09 mgd from the four wellfields and a maximum month withdrawal allocation of 999.30 Million Gallons per Month (MGM). The City of Sunrise is closely working with the SFWMD on alternative water supply projects in conjunction with the renewal of the permit.

In order to assess whether there will be sufficient potable water to serve the residents on the Town of Southwest Ranches who are, or will be connected to a centralized water service, the current and projected potable water needs of the Town must be analyzed with the needs of all water users in the City of Sunrise; and, again with the needs of all water users in Cooper City. This is because Sunrise and Cooper City each serve other areas in addition to the Town of Southwest Ranches.

The population estimates and projections and the potable water demand projections are presented below for both the City of Sunrise and Cooper City. The projections are through the year 2030. Population estimates included in the LEC Water Supply Plan used the Broward County TAZ 2016 data while the population projections presented in Sunrise and Cooper City Water Supply Plans were based on the published Broward County Population Forecasting Model 2016.

*Per Capita Usage*

Cooper City Utility Service Area:

Based on the findings from Cooper City, the total water metered to customers, and the estimated historical population of the treated water, the per capita usage computed for the past five years was 96 gallons per capita per day (gpcd). This per capita usage rate is a 1% variation of the SFWMD data, which shows a treated water per capita rate of 95 gpcd for the Cooper City Utility Service Area.

<b>TABLE 3-5:</b>			
<b>ANNUAL AVERAGE DAY DEMAND PROJECTIONS FOR COOPER CITY UTILITY WATER SERVICE AREA INCLUDING THE TOWN OF SOUTHWEST RANCHES</b>			
	<b>2020</b>	<b>2025</b>	<b>2030</b>
Population Projections	33,180	33,395	33,541
Gallons per Capita per Day	95	95	95
Finished/Net Water Demand (MGD)	3.27	3.37	3.45
Raw/Gross Water Demand (MGD)	3.92	4.05	4.13

Source: Cooper City Water WSFWP Update, 2020; Table 8-10; Table 8-11A and Table 8-11B (draft).

City of Sunrise Utility Service Area:

Based on the total water metered to customers, and the estimated historic population the treated water leaving the plants, the per capita usage computed for the past five years (2014-2018) was 102 gallons per capita per day (gpcd) of treated water. This is comparable to the per capita usage rate of 93 gpcd at customer connection shown in the Consumptive Use Permit (CUP) application for C-51 Reservoir Project. The per capita usage rate of 102 gpcd treated at the plant is within 3.5% of the SFWMD LECWSP data, which shows a treated water per capita rate of 98 gpcd for the City of Sunrise Utility Water Service Area. The City’s updated Comprehensive Plan will show the level of service at 102 gpcd treated water at the plant.

<b>TABLE 3-6:</b>				
<b>CITY OF SUNRISE UTILITY SERVICE AREA</b>				
<b>COMPARISON OF FACILITY CAPACITY AND ANTICIPATED FUTURE PERMITTED AMOUNT</b>				
	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2040</b>
Population Served	231,300	238,000	244,600	273,100
Average Daily Demand (Finished) (MGD)	23.6	24.3	24.9	27.9
Demand per Capita Finished (GPCD)	102	102	102	102
Available Facility Capacity (MGD)	51.5	51.5	51.5	51.5
Facility Capacity Surplus (Deficit)	27.9	27.2	26.6	23.6
Anticipated Permitted Amount (MGD Annual Avg.)	31.09	31.09	31.09	31.09
Anticipated Permitted Surplus MGD (Deficit)	4.47	3.82	3.11	0.20

Source: City of Sunrise Water Supply Plan Update, 2019 (draft).

### 3.5 WATER SUPPLY PROVIDED BY THE TOWN OF SOUTHWEST RANCHES

No water is supplied by the Town of Southwest Ranches, and the Town generally opposes any further expansion of these potable water utilities as a matter of policy. Amongst the Domestic Self-Supply (DSS) and Recreational/Landscape (REC) Self-Supply, no new projects have been proposed in the 2018 LEC Plan Update, and future needs can be met under existing permit allocations; by use of existing and alternative sources, and conservation. However, future increases in withdrawals from Lake Okeechobee; the L-1, L-2, and L-3 canal system; the Everglades; and, North Palm Beach/Loxahatchee Watershed water bodies must comply with the restricted allocation area criteria.

#### *Domestic Self-Supply*

The Domestic Self-Supply is a water supply category the Town of Southwest Ranches falls under. Domestic Self-Supply (DSS) includes potable water from a private domestic well serving a private residence, and utilities that produce less than 0.1 MGD on an annual basis. DSS finished (net) demands in the LEC Planning Area are only projected to increase by less than 1 MGD from 17 MGD in 2010 to 18 MGD in 2030 (gross [raw] demands are projected to increase by less than 1 MGD from 18 MGD in 2010 to 19 MGD in 2030). DSS needs are met almost exclusively with fresh

groundwater from the Surficial Aquifer System (SAS), and will continue to do so in the future. As such, no water supply development projects are proposed for this use class.

#### *Recreational/Landscape Self-Supply*

The Recreational/Landscape Self-Supply is a water supply category the Town of Southwest Ranches falls under. Recreational/Landscape (REC) Self-Supply includes the use of water for irrigation of common areas, golf courses, parks, cemeteries, schools, commercial developments, and other self-supplied irrigation uses with demand of 0.1 MGD or greater. REC Self-Supply gross demand is projected to increase by 3 percent (149 MGD in 2010 compared to 153 MGD in 2030). Historically, irrigation supplies for this category include local fresh groundwater and surface water captured from canals or stormwater management systems. In recent years, irrigation for new golf courses often includes reclaimed water and on-site blending of brackish groundwater with surface water. Four golf courses use brackish groundwater treated by RO.

The small demand increase for REC Self-Supply should be met, for the most part, by currently proposed reclaimed water projects, or by surface water bodies locally derived groundwater as is the case in, which may be included in existing water use permits if applicable. Projects submitted by utilities and wastewater treatment facilities indicate that use of reclaimed water will increase significantly in the future. Expansion of water reuse systems for REC Self-Supply may reduce withdrawal demands on the water resources. Where reclaimed water is not available, users may qualify for limited freshwater withdrawals on an application-by-application basis. Implementation of the Mandatory Year-Round Landscape Irrigation Conservation Measures Rule (Rule 40E-24.201, F.A.C.), water conservation methods using more efficient irrigation systems, and Florida-Friendly Landscaping offer potential cost savings and may reduce future demand. However, no specific projects for REC Self-Supply were provided or identified in this plan update.

### **3.6 WATER SUPPLY PROVIDED BY THE CITY OF SUNRISE AND COOPER CITY**

The Town of Southwest Ranches does not own or operate any potable water distribution or supply facilities. There are two potable water distribution systems, owned and operated by adjacent municipalities that are located within the Town: Cooper City and the City of Sunrise. Town staff met with City of Sunrise staff and consultants to coordinate preparation of both municipal Water Supply Facilities Work Plan updates. The Town did not coordinate with Cooper City, because no future expansion of service in Southwest Ranches will be permitted by Cooper City. Each resident in the Town served by a centralized water system is a retail customer of the entity which owns and operates that system. At the extreme eastern edge of the Town, the limited centralized water service provider is Cooper City. In the middle portions of the Town, the limited centralized water service is provided by the City of Sunrise. All other areas of the Town have domestic water self-supply (i.e., individually owned private well system) and the percentage of residents can increase as needed. Future expansion of centralized water service in the Town is discouraged, however, the decision ultimately rests with the customers/residents in the service areas and the entity

supplying the water. No deficiencies in potable water supply currently exists or is projected to occur in the Town of Southwest Ranches through the year 2030.

#### *City of Sunrise's Retail Water Service Area*

The City of Sunrise is located in western Broward County, north of the Town's limits. Its utility provides centralized potable water service to the cities of Sunrise, Weston, a portion of the Town of Davie, unincorporated Broward County and to the Town of Southwest Ranches, if requested. In total, the City of Sunrise's utility service area is made up of 215,000 retail water customers. In the Town of Southwest Ranches, the City of Sunrise currently serves a minimal amount of land area. This land area may increase in the future; a decision that will be driven by the discretion of customers/residents. Currently, the City is responsible for planning, financing, constructing, operating and maintaining the utilities and public water supply systems that serve the limited area. Potable water from the City of Sunrise is not needed to accommodate future growth in the Town of Southwest Ranches.

The City of Sunrise's water supply is from the Surficial Aquifer System (SAS) and Floridian Aquifer System (FAS) and operates four wellfields and three water treatment plants primarily utilizing lime softening and membrane processes. In 2013, the city added a 1.5-MGD reverse osmosis treatment system at its Springtree Plant. The city previously planned to develop 9 MGD of reverse osmosis treatment capacity and acquired a FAS allocation of 10.98 MGD to accommodate expected demand. Slower growth and successful conservation efforts should allow the city to postpone development of additional capacity from the FAS beyond 2040. The city is upgrading the treatment system at its Southwest Waste Water Treatment Plant to provide 1 MGD of reclaimed water capacity and is in the design phase to develop reuse facilities at its Sawgrass Waste Water Treatment Plant. The City is a contributing member of the Broward Water Partnership conservation program, which has the goal of saving a total of 30 MGD countywide.

#### *Cooper City's Retail Water Service Area*

Cooper City is located in southwestern Broward County, east of the Town's limits. Its utility provides centralized potable water service to Cooper City, Town of Davie, and a small portion of the Town of Southwest Ranches. In total, Cooper City's utility service area is made up of 29,987 retail water customers. It is estimated that fifty (50) residents and several non-residential properties in the Town of Southwest Ranches are serviced by Cooper City Utilities. Potable water from Cooper City is not needed to accommodate future growth in Southwest Ranches, as the city does not allow extension of its services beyond its current utility service area.

The water supply for the City of Cooper City is obtained from the Surficial Aquifer System and treated via membrane softening. The city is projected to have minimal growth beyond 2025. This utility is a contributing member to the Broward Water Partnership conservation program, which has the goal of saving a total of 30 MGD countywide.



### 3.7 CONSERVATION

As detailed in the Conservation Element of the Town's Comprehensive Plan, the Town prioritizes critical regional ecological systems through protection and enhancements that are integral components of South Florida's and the Town's natural environment. As a matter of policy, the Town is working to increase energy efficiency of government operations and promotes improved energy standards for residents and businesses located within the Town.

#### 3.7.1 COUNTYWIDE ISSUES

The Town shall continue to implement county-wide conservation measures. Of note are:

- *Conservation Pays Program.* Since 2011, this program provides rebates and incentives for water conservation measures.
- *NatureScape Irrigation Services.* Since 2005, this program has implemented Best Management Practices (BMPs) with large water users to promote "right plant in the right place" and smart irrigation techniques.
- *NatureScape Program.* The program has been promoting water conservation, water quality protection, and the creation of wildlife habitats through the use of Florida-friendly landscape practices in Broward County since 2003. This program is available to municipalities and residential and commercial customers.

#### 3.7.2 SPECIFIC ACTIONS, PROGRAMS, REGULATIONS, OR OPPORTUNITIES

The Town of Southwest Ranches has implemented a number of water conservation elements including irrigation restrictions on irrigation (permitted water usage), use of Florida-friendly planting principles, requirement of ultra-low volume plumbing in new construction, rain sensor over-rides for new lawn sprinkler systems, and public educational programs. Summary information on each of the current programs and policies is provided below.

##### *Restrictions on Permitted Water Use*

- The Town of Southwest Ranches supports the conservation of potable water by adopting or supporting the water conservation practices and programs of the City of Sunrise, Cooper City, and Broward County, such as rate structures. The Town has enacted its own irrigation ordinance that supports conservation measures by imposing year-round irrigation restrictions.
- The Town of Southwest Ranches' Code of Ordinances includes requirements for restrictions on water use during times an "emergency situation" is declared by SFWMD or when the Town Council determines a reduction in water consumption is necessary to alleviate a local water shortage within the Town's water system.

### *Use of Florida-Friendly Landscape Principles*

- The Town of Southwest Ranches' Land Development Code recommends the use of Florida-friendly landscaping materials and the minimum percent of required pervious area that must follow the principles of Florida Friendly Landscape provisions as set forth in the South Florida Water Management District's Xeriscape Plant Guide II. The following code sections represent the type of policies adopted by the Town.
  - Sec. 075-060(A): The Town requires Florida Grade One landscaping
  - Sec. 075-060(B): The Town requires that 50 percent of landscaping consist of native vegetation.
  - Sec. 075-060(D)(5): The Town prohibits the use of invasive trees.
  - Sec. 075-060(I): Landscape designs must use xeriscape principles.
  - Sec. 075-040(C)(1): The Town observes irrigation restrictions described in F.S. 373.62.

### *Requirement of Ultra-Low Volume Plumbing in New Construction*

- The Town of Southwest Ranches has adopted the Florida Building Code (FBC) which contains plumbing flow restriction requirements. The Town's Building, Permitting and Inspection Services administers procedure provisions for new construction to have water conservation control devices installed per the Florida Plumbing Code, as a condition for granting Certificates of Occupancy. The Town also requires approval from either the South Broward Drainage District or the Central Broward Water Control District.

### *Rain Sensor Overrides for New Lawn Sprinkler System*

- The Town of Southwest Ranches has adopted the Florida Building Code, which requires the installation of rain sensors on new irrigation systems. Additionally, the Town abides by all of the County's landscape Code requirements regarding rain sensors on automatic lawn sprinkler systems. The Town also adopted a Landscape Ordinance that encourages natural vegetation, minimal water and fertilization.

### *Coordination with Other Entities*

The Town will continue to coordinate future water conservation efforts with Cooper City Utilities, the City of Sunrise Utilities, Broward County and the SFWMD to ensure that conservation techniques are implemented. The Town will continue to actively support and adhere to SFWMD and Broward County policies in the implementation of regulations or programs that are designed to conserve water. In addition, the Town will continue to implement land development regulations and the goals, objectives, and policies in the comprehensive plan that promote water conservation in a cost-effective and environmentally sensitive manner. Cooperation with utility suppliers for the Town is reflected in noted policies below.

- The Town supports SFWMD, Broward County, The City of Sunrise Utilities, and Cooper City Utilities conservation efforts, as described in their respective 10-Year Water Supply Facilities Work Plans (Cons Policy 1.10-a).
- The Town will encourage efficient use and conservation of water resources within the Town, and support county-wide water conservation programs and initiatives including the

Water Matters education and outreach program, the NatureScape Broward and NatureScape Irrigation Service (Cons Policy 1.1-c).

- The Town shall adopt water conservation measures, such as those of the South Florida Water Management District’s rule chapter 40E-21, to utilize during periods of drought (Cons Policy 1.4-b).

#### *Public Information Program*

- This program provides water conservation and open/green space information to the Town of Southwest Ranches’ residents and customers. The Town provides education information at the Sunshine Ranches Equestrian Park; Trailside Park; Southwest Meadows Sanctuary; Calusa Corners; Rolling Oaks Passive Park; Country Estates Fishing Hole Park; and, the Frontier Trails.
- The Town of Southwest Ranches will coordinate future water conservation efforts with the City of Sunrise and Cooper City, as utility providers for portions of the Town; Broward County; and the SFWMD. In addition, the Town continues to support and expand existing goals, objectives and policies in the comprehensive plan that promotes water conservation in a cost-effective and environmentally sensitive manner. The Town of Southwest Ranches continues to actively support the SFWMD and its water supplier(s) in the implementation of new regulations or programs designed to conserve water during the dry season.

### **3.7.3 LOCAL FINANCIAL RESPONSIBILITIES DETAILED IN THE CIE**

The Town does not have any financial responsibility for the implementation of budgeted capital improvements in the Cooper City Utilities or City of Sunrise Utilities Capital Improvement Schedules. The five-year schedule of capital improvements for these providers is provided in Section 4.0.

### **3.8 REUSE**

State law supports reuse efforts. Florida’s utilities, local governments, and water management districts have led the nation in the quantity of reclaimed water reused and public acceptance of reuse programs. Section 373.250(1) F.S. provides “the encouragement and promotion of water conservation and reuse of reclaimed water, as defined by the department, are state objectives and considered to be in the public interest.” In addition, Section 403.064(1), F.S., states “reuse is a critical component of meeting the state’s existing and future water supply needs while sustaining natural systems.” The Town supports reclaimed water reuse for any of the potable water distribution and supply facilities that operate within the Town’s limits.

#### **3.8.1 TOWN OF SOUTHWEST RANCHES SPECIFIC ACTIONS, PROGRAMS, REGULATIONS, OR OPPORTUNITIES**

The Town of Southwest Ranches supports water reuse initiatives under consideration by both the SFWMD and Broward County and the implementation of new regulations or programs designed to increase the volume of reclaimed water used and generate public acceptance of reclaimed

water. The Town encourages the use of reclaimed water as an integral part of its wastewater management program, where economically, environmentally and technically feasible. This includes sanitary sewer facilities, including septic tanks, to be designed, constructed, maintained and operated in a manner that conserves and protects potable water resources by optimizing the use of reclaimed wastewater, where feasible, thus minimizing new demands on the Biscayne Aquifer.

## 4.0 CAPITAL IMPROVEMENTS

As the Town of Southwest Ranches does not own or operate any potable water distribution or supply facilities, and most areas of the Town have a domestic self-supply that is individually owned and privately run well systems, the Town does not have any scheduled capital improvement updates. The scheduled capital improvements for Cooper City Utilities and the City of Sunrise Utilities are listed below.

**TABLE 4-2:  
City of Sunrise Water Supply Facilities  
Five-Year Capital Improvement Plan 2019-2024**

Project Name	Funding Source	Expenditure <sup>1</sup> (In Millions of Dollars)					Five Year Totals
		2020	2021	2022	2023	2024	
C-51 Reservoir Project	BP <sup>2</sup>	-	-	-	-	-	-
Sunrise Golf Course Reuse Main Extension	Fund 465	2.257	-	-	-	-	2.257
Reuse Distribution System – SICP, Sawgrass Mills & Artesia (Phase II)	Fund 465	-	-	-	-	-	-
Reuse Distribution System – SICP, and Markham Park (Phase III)	Fund 465	-	-	-	0.2	9.66	9.86
SGF-1 Aquifer Storage and Recovery conversion	Fund 465	-	-	0.095	0.173	0.173	0.441
Springtree Floridan Supply Well	Fund 465	-	-	0.025	0.025	0.025	0.075

Source: City of Sunrise Adopted Five-Year Capital Improvements Program, Fiscal Year 2019/2020.

**TABLE 4-1:  
Cooper City Water Supply Facilities  
Five-Year Capital Improvement Plan 2019-2024**

Project Name (\$)	2019 Forecast	2020	2021	2022	2023	2024	Total FY 20 - FY 24
<b>FUNDING</b>							
Grants	-	-	-	-	-	-	-
Other CIP Fund Revenue	155,000	27,000	25,000	25,000	25,000	25,000	127,000
CIP Fund Balance	2,135,374	-	-	-	-	-	-
Water/Sewer Fund Transfer In	-	4,623,000	2,255,000	1,825,000	3,125,000	3,615,000	15,443,000
<b>Total Funding</b>	<b>2,290,374</b>	<b>4,650,000</b>	<b>2,280,000</b>	<b>1,850,000</b>	<b>3,150,000</b>	<b>3,640,000</b>	<b>15,570,000</b>
<b>EXPENSE</b>							
<b>Water Treatment &amp; Supply</b>							
Control Software	531,170	-	-	-	-	-	-
Water Treatment Plant Rehabilitation	-	-	600,000	600,000	-	-	1,200,000
Steel Water Storage Tank Replacement	-	1,400,000	-	-	-	-	1,400,000
<b>Total Water Treatment &amp; Supply</b>	<b>531,170</b>	<b>1,400,000</b>	<b>600,000</b>	<b>600,000</b>	<b>-</b>	<b>-</b>	<b>2,600,000</b>
<b>Wastewater Collection &amp; Lift Station</b>							
Gravity Sewer Improvements	300,000	300,000	300,000	400,000	400,000	400,000	1,800,000
Gravity Sewer SW 90 Ave	172,426	-	-	-	-	-	-
Lift Station 48 with FM Replacement	300,000	450,000	-	-	-	-	450,000
Lift Station 18	-	-	-	-	200,000	-	200,000
Lift Station 56	-	-	-	-	-	600,000	600,000
Lift Station 9	-	-	-	200,000	-	-	200,000
Lift Station 46	-	-	200,000	-	-	-	200,000
Lift Station 55	315,139	-	-	200,000	-	-	200,000
Lift Station 5	-	-	-	200,000	-	-	200,000
Lift Station 23	-	-	-	-	100,000	-	100,000
Lift Station 50	-	-	-	-	-	195,000	195,000
Lift Station 51	-	-	-	-	-	195,000	195,000
Lift Station 20	-	-	-	-	200,000	-	200,000
Force Main re-route 90 Ave to Repump 55	-	-	680,000	-	-	-	680,000
<b>Total Wastewater Collection &amp; Lift Stn.</b>	<b>1,087,565</b>	<b>750,000</b>	<b>1,180,000</b>	<b>1,000,000</b>	<b>900,000</b>	<b>1,390,000</b>	<b>5,220,000</b>
<b>Water Distribution</b>							
Replace Scheduled 40 WM's Citywide	-	-	500,000	-	-	-	500,000
<b>Total Water Distribution</b>	<b>-</b>	<b>-</b>	<b>500,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>500,000</b>
<b>Wastewater Treatment Plant</b>							
Stabilization Program	-	-	-	250,000	250,000	250,000	750,000
Injection Well Rehab/Capacity Increase*	500,000	2,500,000	-	-	-	-	2,500,000
Headworks*	-	-	-	-	2,000,000	2,000,000	4,000,000
Deep Well Engineering Services	171,639	-	-	-	-	-	-
<b>Total Wastewater Treatment Plant</b>	<b>671,639</b>	<b>2,500,000</b>	<b>-</b>	<b>250,000</b>	<b>2,250,000</b>	<b>2,250,000</b>	<b>7,250,000</b>
<b>Total Water Sewer CIP Projects</b>	<b>2,290,374</b>	<b>4,650,000</b>	<b>2,280,000</b>	<b>1,850,000</b>	<b>3,150,000</b>	<b>3,640,000</b>	<b>15,570,000</b>

Notes - \* Impact Fee Eligible

Source: Cooper City Adopted Budget, Fiscal Year 2019/2020.

## 5.0 GOALS, OBJECTIVES AND POLICIES

To ensure adequate potable water supply facilities for the ten (10) year planning horizon, the Town has incorporated goals, objectives, and policies within the Future Land Use Element (Objective 1.21), Conservation Element (Objective 1.1, 1.4, 1.5, 1.6, and 1.9), Utilities Element (Objective 1.2 and 1.4), Intergovernmental Coordination Element (Objective 1.2 and 1.4), and Capital Improvements Element (Objective 1.1). The aforementioned goals, objectives, and policies reflect the regulatory provisions below:

- a. Coordination of land uses and future land use changes with the availability of water supplies and water supply facilities;
- b. Consideration of population projections in developing the water supply plan;
- c. Revision of potable water level of service standards for residential and non-residential users;
- d. Protection of water quality in the traditional and new alternative water supply sources;
- e. Revision of priorities for the replacement of facilities, correction of existing water supply and facility deficiencies, and provision for future water supply and facility needs;
- f. Provision for conserving potable water resources, including the implementation of reuse programs and potable water conservation strategies and techniques;
- g. Provisions for improved or additional coordination between a water supply provider and the recipient local government concerning the sharing and updating of information to meet ongoing water supply needs;
- h. Coordination between local governments and the water supply provider in the implementation of alternative water supply projects, reclaimed water projects, establishment of level of service standards and resource allocations, changes in service areas, and potential for annexation;
- i. Coordination of land uses with available and projected fiscal resources and a financially feasible schedule of capital improvements for water supply and facility projects;
- j. Additional revenue sources to fund water supply and facility projects;
- k. Coordination with the respective regional and local government providers' water supply plans;
- l. Update the Work Plan within 18 months following the approval of a regional water supply plan;
- m. Incorporate the Work Plan, as a support document, into the Town Comprehensive Plan Data, Inventory, and Analysis; and,
- n. Concurrency, requiring provision of adequate water supply facilities at the building permit stage.

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**LOCAL PLANNING AGENCY MINUTES OF THE TOWN COUNCIL  
Southwest Ranches, Florida**

Thursday 7:00 PM

November 19, 2020

13400 Griffin Road

Present:

Chair Steve Breitzkreuz

Andrew Berns, Town Administrator

~~Vice Chair~~ **Board Member** Bob Hartmann

Russell Muñiz, Assistant Town Administrator/Town Clerk

Board Member Jim Allbritton

Martin D. Sherwood, Town Financial Administrator

Board Member Gary Jablonski

Keith Poliakoff, Town Attorney

Board Member David Kuczenski

Local Planning Agency of the Town of Southwest Ranches was held at 13400 Griffin Road in the Southwest Ranches Council Chambers. The meeting, having been properly noticed, was called to order by Chair McKay **Breitzkreuz** at 7:01 PM. Attendance was noted by roll call and was followed by the Pledge of Allegiance.

Resolutions

**3. LPA RESOLUTION FOR WATER SUPPLY PLAN UPDATE**

A RESOLUTION OF THE LOCAL PLANNING AGENCY OF THE TOWN OF SOUTHWEST RANCHES, FLORIDA ("LPA"), RECOMMENDING THAT THE TOWN COUNCIL APPROVE THE TEN-YEAR WATER SUPPLY FACILITIES WORK PLAN ("WSFWP") AND ADOPT AMENDMENTS TO THE TEXT OF UTILITIES ELEMENT AND CAPITAL IMPROVEMENTS ELEMENT OF THE TOWN OF SOUTHWEST RANCHES COMPREHENSIVE PLAN; PROVIDING FOR AN EFFECTIVE DATE. (APPLICATION NO. PA-20-3)

The following motion was made by Board Member Hartmann and seconded by Board Member Jablonski and passed by 5-0 roll call vote. The vote was as follows Board Member ~~Amundson~~ **Allbritton**, Hartmann, Jablonski, ~~Vice Chair Schroeder~~ **Kuczenski**, and Chair McKay **Breitzkreuz** voting Yes.

**MOTION: TO TABLE THE ITEM TO THE DECEMBER 10, 2020 LPA MEETING.**

**4. CIE LPA RESO**

A RESOLUTION OF THE LOCAL PLANNING AGENCY OF THE TOWN OF SOUTHWEST RANCHES, FLORIDA ("LPA"), RECOMMENDING THAT THE TOWN COUNCIL ADOPT THE FIVE YEAR SCHEDULE OF CAPITAL IMPROVEMENTS FOR FISCAL YEARS 2021-2025; AND PROVIDING FOR AN EFFECTIVE DATE.

The following motion was made by Board Member Jablonski and seconded by Board Member Hartmann. The vote was as follows Board Member ~~Amundson~~ **Allbritton**, Hartmann, Jablonski, ~~Vice Chair Schroeder~~ **Kuczenski**, and Chair McKay **Breitzkreuz** voting Yes.

**MOTION: TO APPROVE THE RESOLUTION.**

**5. Approval of Minutes**

**a. October 22, 2020 Local Planning Agency Minutes**

The following motion was made by Board Member Hartmann and seconded by Board Member Jablonski and passed by 5-0 roll call vote. The vote was as follows Board Member ~~Amundson~~ **Allbritton**, Hartmann, Jablonski, ~~Vice Chair Schroeder~~ **Kuczenski**, and Chair McKay **Breitkreuz** voting Yes.

**MOTION: TO APPROVE THE MINUTES.**

**6. Adjournment - Meeting was adjourned at 7:04 PM.**

*Respectfully submitted:*

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*Russell Muniz Assistant Town Administrator/Town Clerk, MMC*

*Adopted by the Town Local Planning Agency on  
this 28<sup>th</sup> day of January, 2021.*

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*Steve Breitkreuz, Chair*

PURSUANT TO FLORIDA STATUTES 286.0105, THE TOWN HEREBY ADVISES THE PUBLIC THAT IF A PERSON DECIDES TO APPEAL ANY DECISION MADE BY THIS COUNCIL WITH RESPECT TO ANY MATTER CONSIDERED AT ITS MEETING OR HEARING, HE OR SHE WILL NEED A RECORD OF THE PROCEEDINGS, AND THAT FOR SUCH PURPOSE, THE AFFECTED PERSON MAY NEED TO ENSURE THAT VERBATIM RECORD OF THE PROCEEDING IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED THIS NOTICE DOES NOT CONSTITUTE CONSENT BY THE TOWN FOR THE INTRODUCTION OR ADMISSION OF OTHERWISE INADMISSIBLE OR IRRELEVANT EVIDENCE, NOR DOES IT AUTHORIZE CHALLENGES OR APPEALS NOT OTHERWISE ALLOWED BY LAW.