

E

Wastewater Treatment Facilities

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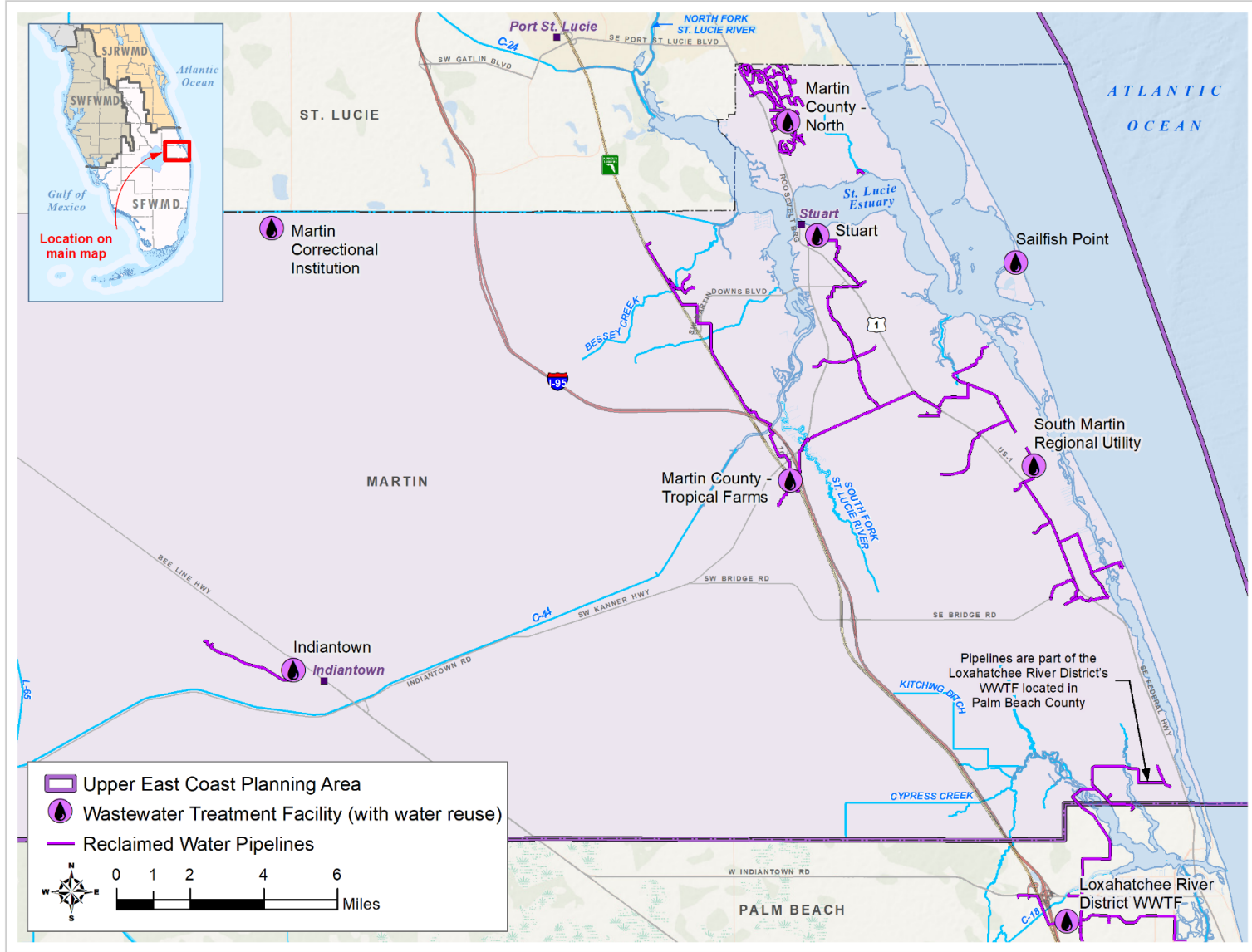
WASTEWATER TREATMENT FACILITIES

Wastewater that is generated by homes and businesses is either directed to an on-site septic tank for treatment and disposal or it is collected via sanitary sewer and conveyed to a wastewater treatment facility (WWTF) for treatment and disposal or reuse. WWTFs can either be smaller “package plants” or larger, more regional, facilities. This appendix focuses on the larger facilities with a Florida Department of Environmental Protection (FDEP) permitted treatment capacity of 0.10 million gallons per day (mgd) or greater. These larger treatment facilities allow economy of operation, reduce risk of treatment upset, and have sufficient flows that if properly treated and reused as reclaimed water could positively impact water resources.

As of 2019, there were 20 domestic WWTFs within the Upper East Coast (UEC) Planning Area with a permitted treatment capacity of 0.10 mgd or greater (**Figures E-1 and E-2**). **Table E-1** lists the WWTFs that reported 2019 annual average daily flows for FDEP’s Reuse Inventory (FDEP 2020) and a summary of the projected 2045 flows. The 2019 and projected 2045 utilization of reclaimed water and methods of disposal for those same facilities are provided in **Tables E-2 and E-3**, respectively.

Although the capacity of WWTFs in the UEC Planning Area totals 49.22 mgd, an average of only 24.17 mgd of wastewater was treated in 2019. WWTFs require treatment capacities greater than average daily flows (to meet daily peak flows) to ensure a margin of safety. Regionally, 8.77 mgd (including supplemental water) was reused in 2019. Nearly 90% of that water was used for public access irrigation, which includes irrigation of golf courses, residences, parks, and schools. The remaining amount was reused for groundwater recharge through rapid infiltration basins and for industrial uses or toilet flushing at the WWTF. Almost all treated effluent not reused was disposed of through deep well injection (15.99 mgd). The only exception was a small, infrequent surface water discharge (0.02 mgd).

By 2045, treated wastewater flow is projected to increase 91% over the reported 2019 flows in the UEC Planning Area. Water reuse flows in the planning area are projected to increase nearly 400%, primarily driven by increases in water reuse at larger WWTFs.



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Figure E-1. Wastewater treatment facilities in Martin County with a permitted capacity of 0.10 mgd or greater.

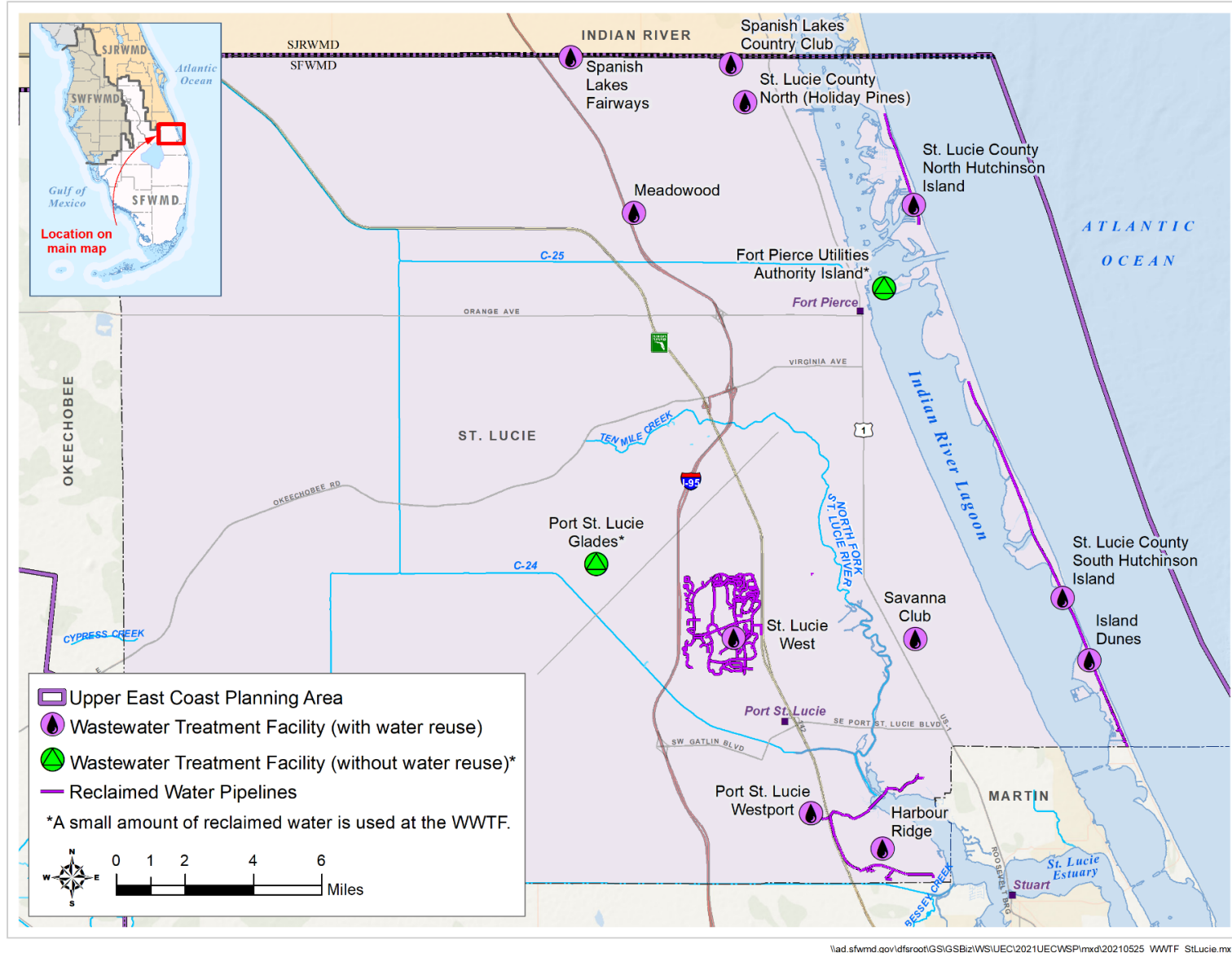


Figure E-2. Wastewater treatment facilities in St. Lucie County with a permitted capacity of 0.10 mgd or greater.

Table E-1. Summary of 2019 and 2045 wastewater treatment facilities with current or expected capacities of 0.10 mgd or greater in the UEC Planning Area.

County	Facility	FDEP Rated WWTF Capacity (mgd)	2019 ^a			2045		
			Average Daily WWTF Flow (mgd)	Average Daily Reuse Flow (mgd)	Reuse Percentage ^b	Average Daily WWTF Flow (mgd)	Average Daily Reuse Flow (mgd)	Reuse Percentage ^b
Martin	Indiantown, Village of (FLA029939)	0.75	0.24	0.24	100%	0.32	0.32	100%
	Martin Correctional Institution (FLA013881)	0.37	0.32	0.32	100%	0.28	0.28	100%
	Martin County – North (FLA043192)	2.76	1.56	0.69	44%	1.94	0.86	44%
	Martin County – Tropical Farms (FL0043214)	5.90	3.04	1.75	57%	3.78	2.17	57%
	Sailfish Point (FLA017466)	0.25	0.08	0.08	100%	0.08	0.08	100%
	South Martin Regional Utility (FLA013859)	1.40	0.81	0.89	100%	1.65	1.16	70%
	Stuart, City of (FLA041459)	4.00	1.89	0.27	14%	3.60	1.48	41%
	Martin County Subtotal (7 facilities)	15.34	7.94	4.24	55%	11.65	6.35	55%
St. Lucie	Fort Pierce Utilities Authority – Island (FL0027278) ^c	10.00	4.23	0.06	1%	--	--	--
	Fort Pierce Utilities Authority – Mainland (proposed)	--	--	--	--	4.96	2.98	50%
	Harbour Ridge (FLA013986)	0.12	0.07	0.07	100%	0.07	0.07	100%
	Island Dunes (FLA013980)	0.12	0.04	0.04	100%	0.04	0.04	100%
	Meadowood (FLA013982)	0.11	0.06	0.06	100%	0.05	0.05	100%
	Port St. Lucie, City of – Glades (FLA326321)	12.00	4.91	0.31	6%	17.10	13.20	77%
	Port St. Lucie, City of – Westport (FLA139653)	6.00	4.73	1.20	28%	5.40	5.40	100%
	St. Lucie County – North (Holiday Pines) (FLA013969) ^d	0.30	0.13	0.13	100%	--	--	--
	St. Lucie County – North County Regional (proposed) ^e	--	--	--	--	4.00	3.00	75%
	St. Lucie County – North Hutchinson Island (FLA013946)	0.85	0.24	0.24	100%	0.24	0.24	100%
	St. Lucie County – South Hutchinson Island (FL0139475)	1.60	0.42	0.27	94%	0.42	0.27	94%
	St. Lucie West Services District (FLA013993)	2.13	1.38	1.86 ^f	100%	2.02	2.97 ^g	100%
	Savanna Club (FLA013958)	0.15	0.05	0.05	100%	0.06	0.06	100%
	Spanish Lakes Country Club (FLA013977)	0.16	0.09	0.09	100%	0.10	0.10	100%
	Spanish Lakes Fairways (FLA013998)	0.25	0.15	0.15	100%	0.15	0.15	100%
	St. Lucie County Subtotal (13 facilities)	33.79	16.50	4.53	27%	34.61	28.53	82%
UEC Planning Area Total (20 facilities)		49.13	24.44	8.77	36%	46.26	34.88	75%

FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; UEC = Upper East Coast; WWTF = wastewater treatment facility.

^a As reported in the 2019 Reuse Inventory (FDEP 2020).

^b Reuse percentage is calculated by dividing Reuse Flow (including any supplemental flow) by WWTF Flow; not to exceed 100%.

^c To be decommissioned when the Mainland WWTF comes online.

^d To be decommissioned when the North County Regional WWTF comes online.

^e Future flows based on an estimated WWTF treatment capacity of 4.00 mgd.

^f Includes 0.48 mgd of supplemental water.

^g Includes 0.95 mgd of supplemental water.

Table E-2. 2019 and 2045 utilization of reclaimed water (in mgd) from wastewater treatment facilities in the UEC Planning Area with current or expected capacities of 0.10 mgd or greater (From: FDEP 2020).

Facility	2019					2045				
	Residential Irrigation	Golf Course Irrigation	Other Irrigation ^a	Groundwater Recharge ^b	Other Types of Reuse ^c	Residential Irrigation	Golf Course Irrigation	Other Irrigation ^a	Groundwater Recharge ^b	Other Types of Reuse ^c
Martin County										
Indiantown, Village of	0.00	0.00	0.00	0.21	0.03	0.00	0.00	0.00	0.32	0.00
Martin Correctional Institution	0.00	0.00	0.14	0.00	0.18	0.00	0.00	0.10	0.00	0.18
Martin County – North	0.22	0.42	0.05	0.00	0.00	0.28	0.52	0.06	0.00	0.00
Martin County – Tropical Farms	0.18	1.46	0.11	0.00	0.00	0.22	1.82	0.13	0.00	0.00
Sailfish Point	0.00	0.08	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
South Martin Regional Utility	0.06	0.69	0.13	0.00	0.01	0.09	0.94	0.13	0.00	0.01
Stuart, City of	0.00	0.00	0.27	0.00	0.00	0.00	1.38	0.10	0.00	0.00
Martin County Subtotal	0.46	2.65	0.70	0.21	0.22	0.59	4.74	0.52	0.32	0.19
St. Lucie County										
Fort Pierce Utilities Authority – Island ^d	0.00	0.00	0.00	0.00	0.06	--	--	--	--	--
Fort Pierce Utilities Authority – Mainland (proposed)	--	--	--	--	--	0.00	0.00	2.48	0.00	0.00
Harbour Ridge	0.00	0.07	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
Island Dunes	0.00	0.04	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Meadowood	0.00	0.06	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
Port St. Lucie, City of – Glades	0.00	0.00	0.00	0.00	0.31	4.40	4.40	4.40	0.00	0.00
Port St. Lucie, City of – Westport	0.00	1.20	0.00	0.00	0.00	1.80	1.80	1.80	0.00	0.00
St. Lucie County – North (Holiday Pines) ^e	0.00	0.13	0.00	0.00	0.00	--	--	--	--	--
St. Lucie County – North County Regional (proposed) ^f	--	--	--	--	--	1.00	1.00	1.00	0.00	0.00
St. Lucie County – North Hutchinson Island	0.23	0.00	0.01	0.00	0.00	0.23	0.00	0.01	0.00	0.00
St. Lucie County – South Hutchinson Island	0.27	0.00	0.00	0.00	0.00	0.27	0.00	0.00	0.00	0.00
St. Lucie West Services District	1.76	0.10	0.00	0.00	0.00	2.04	0.12	0.81	0.00	0.00
Savanna Club	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.06	0.00
Spanish Lakes Country Club	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.10
Spanish Lakes Fairways	0.00	0.15	0.00	0.00	0.10	0.00	0.11	0.00	0.04	0.00
St. Lucie County Subtotal	2.26	1.75	0.01	0.05	0.56	9.74	7.59	10.50	0.10	0.10
UEC Planning Area Total	2.72	4.40	0.71	0.26	0.78	10.33	12.33	11.02	0.42	0.29

FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; UEC = Upper East Coast; WWTF = wastewater treatment facility.

^a Other irrigation includes parks, schools, common areas, etc.

^b Groundwater recharge includes rapid infiltration basins and percolation ponds.

^c Other types of reuse include other permitted uses, such as process water at the treatment facility, cooling water, toilet flushing, and absorption fields.

^d To be decommissioned when the Mainland WWTF comes online.

^e To be decommissioned when the North County Regional WWTF comes online.

^f Future reclaimed water flows based on 75% reuse of 4.00 mgd of wastewater treated, split evenly among irrigation types.

Table E-3. 2019 and 2045 methods of wastewater disposal for facilities with current or expected capacities of 0.10 mgd or greater in the UEC Planning Area (From: FDEP 2020).

Facility	2019		2045	
	Deep Well Injection (mgd)	Surface Water Discharge (mgd)	Deep Well Injection (mgd)	Surface Water Discharge (mgd)
Martin County				
Indiantown, Village of	0.00	0.00	0.00	0.00
Martin Correctional Institution	0.00	0.00	0.00	0.00
Martin County – North	0.87	0.00	1.08	0.00
Martin County – Tropical Farms	1.29	0.00	1.61	0.00
Sailfish Point	0.00	0.00	0.00	0.00
South Martin Regional Utility	0.00	0.00	0.00	0.00
Stuart, City of	1.62	0.00	2.10	0.00
Martin County Subtotal	3.78	0.00	4.79	0.00
St. Lucie County				
Fort Pierce Utilities Authority – Island ^a	4.17	0.00	--	--
Fort Pierce Utilities Authority – Mainland (proposed)	--	--	2.48	0.00
Harbour Ridge	0.00	0.00	0.00	0.00
Island Dunes	0.00	0.00	0.00	0.00
Meadowood	0.00	0.00	0.00	0.00
Port St. Lucie, City of – Glades	4.91	0.00	3.90	0.00
Port St. Lucie, City of – Westport	3.13	0.00	0.00	0.00
St. Lucie County – North (Holiday Pines) ^b	0.00	0.00	--	--
St. Lucie County – North County Regional (proposed)	--	--	1.00 ^c	0.00
St. Lucie County – North Hutchinson Island	0.00	0.00	0.00	0.00
St. Lucie County – South Hutchinson Island	0.00	0.01 ^d	0.00	0.02 ^e
St. Lucie West Services District	0.00	0.00	0.00	0.00
Savanna Club	0.00	0.00	0.00	0.00
Spanish Lakes Country Club	0.00	0.00	0.00	0.00
Spanish Lakes Fairways	0.00	0.00	0.00	0.00
St. Lucie County Subtotal	12.21	0.01	7.38	0.02
UEC Planning Area Total	15.99	0.01	12.17	0.02

FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; UEC = Upper East Coast; WWTF = wastewater treatment facility.

^a To be decommissioned when the Mainland WWTF comes online.

^b To be decommissioned when the North County Regional WWTF comes online.

^c Future flow based on 75% reuse of 4.00 mgd of wastewater treated, with the remainder disposed of through deep well injection.

^d Discharge to Florida Power & Light's cooling canal that flows to the ocean.

^e Discharge to Florida Power & Light's cooling canal, based on 2019 flow.

WASTEWATER/REUSE FACILITY PROFILES

This section contains profiles for each of the wastewater/reuse facilities within the UEC Planning Area with a treatment capacity of 0.10 mgd or greater. The profiles are organized by county, then alphabetically by utility, development, or institution. Each profile contains the existing facility information, followed by the current (2019) and projected (2045) annual average daily flows of wastewater and reclaimed water. Existing capacity and flow information was obtained from the 2019 Reuse Inventory (FDEP 2020). Projected flows are based on information obtained from the utility, estimates of population growth in the service area, or assumptions of buildout.



Reclaimed Water Pump

VILLAGE OF INDIANTOWN

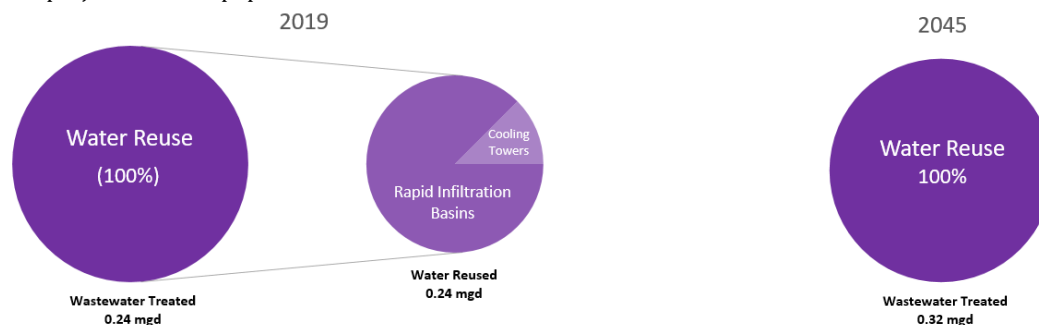
Description: The WWTF is located at 14843 SW 168th Avenue, Indiantown, Florida. The facility's operational permit was transferred from the Indiantown Company to the Village of Indiantown in June 2020. The WWTF provides wastewater services to approximately 1,800 residences and businesses in the village. Reclaimed water from the facility is sent to on-site rapid infiltration basins for recharge. Until 2019, reclaimed water was also sent to the Indiantown Cogeneration Plant's cooling towers. However, the power plant is scheduled to be decommissioned and no longer receives reclaimed water.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA029939		
Wastewater Treatment Capacity (mgd)	0.75		
Disinfection ^a	Basic to RIBs; High-level to cooling towers		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	0		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.24	0.32	
Total Wastewater Disposed	0.00	0.00	
Deep Injection Well	0.00	0.00	
Surface Water	0.00	0.00	
Total Water Reused	0.24	0.32	
Residential Irrigation	0.00	0.00	
Golf Course Irrigation	0.00	0.00	
Other Irrigation	0.00	0.00	
Groundwater Recharge (RIBs)	0.21	0.32	
Industrial	0.03	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	100%	100%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a Basic disinfection as described in Rule 62-600.440(4), F.A.C. and High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Based on a projected 32.8% population increase within the service area from 2019 to 2045.



MARTIN COUNTY CORRECTIONAL INSTITUTION

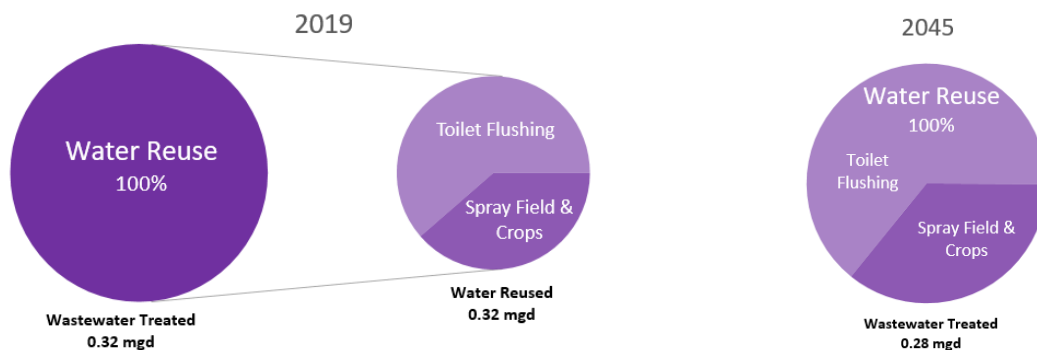
Description: The WWTF is located at 1150 SW Allapattah Road, Indiantown, Florida. The treatment facility provides wastewater services to Martin County Correctional Institution. Most of the reclaimed water is used for toilet flushing and laundry. The remaining reclaimed water is used on a spray field or for crops. A lined pond is available for emergency flow.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA013881		
Wastewater Treatment Capacity (mgd)	0.37		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	0		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.32	0.28	
Total Wastewater Disposed	0.00	0.00	
Deep Injection Well	0.00	0.00	
Surface Water	0.00	0.00	
Total Water Reused	0.32	0.28	
Residential Irrigation	0.00	0.00	
Golf Course Irrigation	0.00	0.00	
Other Irrigation	0.14	0.10	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.18	0.18	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	100%	100%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Wastewater flows at the correctional institution are not projected to increase. Projections are based on previous 5 years (2015 to 2019) of reported flows in the FDEP Reuse Inventory.



MARTIN COUNTY – NORTH

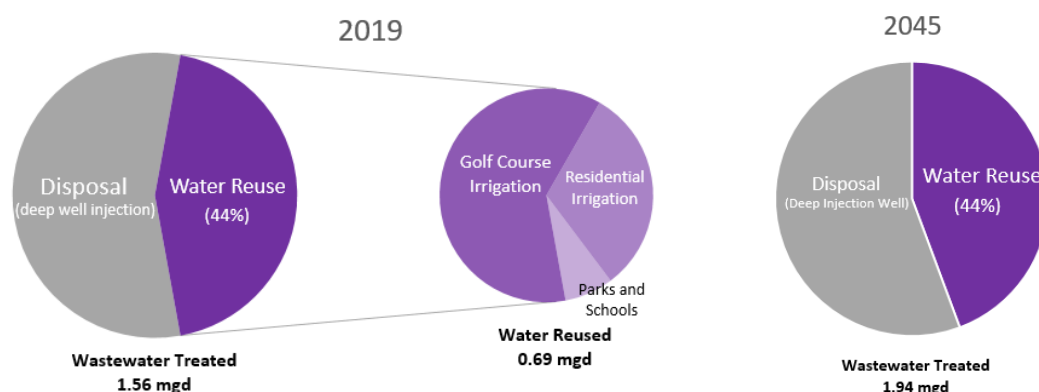
Description: The WWTF is located at 3100 NW Hillman Drive, Jensen Beach, Florida. The treatment facility provides reclaimed water for irrigation of a golf course, residences, a park, and a school. Treated wastewater that is not reused is disposed of through an on-site deep injection well.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA043192		
Wastewater Treatment Capacity (mgd)	2.76		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	1,000		
Golf Courses	1		
Parks and Schools	2		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	1.56	1.94	
Total Wastewater Disposed	0.87	1.08	
Deep Injection Well	0.87	1.08	
Surface Water	0.00	0.00	
Total Water Reused	0.69	0.86	
Residential Irrigation	0.22	0.28	
Golf Course Irrigation	0.42	0.52	
Other Irrigation	0.05	0.06	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	44%	44%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Based on a projected 24.5% population increase within the service area from 2019 to 2045.



MARTIN COUNTY – TROPICAL FARMS

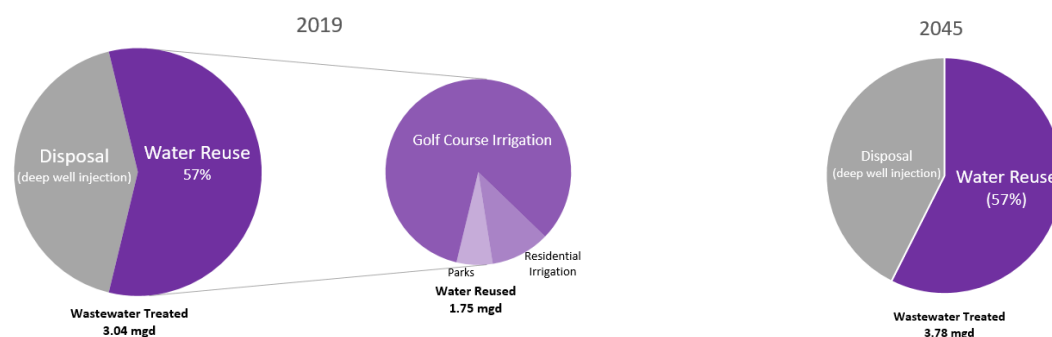
Description: The WWTF is located at 8595 SW Kansas Avenue, Stuart, Florida. The treatment facility provides reclaimed water for irrigation of golf courses, residences, and one park. In some cases, reclaimed water is delivered to golf course lakes for irrigation: two lakes at the Florida Club Golf Course, one at the Tower Golf Course, and one at the Willoughby Golf Course. Three surficial aquifer system wells at Martin Downs are available to supplement the supply of reclaimed water. Treated wastewater not reused is disposed of through deep well injection.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FL0043214		
Wastewater Treatment Capacity (mgd)	5.90		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	250		
Golf Courses	8		
Parks and Schools	1		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	3.04	3.78	
Total Wastewater Disposed	1.29	1.61	
Deep Injection Well	1.29	1.61	
Surface Water	0.00	0.00	
Total Water Reused	1.75	2.17	
Residential Irrigation	0.18	0.22	
Golf Course Irrigation	1.46	1.82	
Other Irrigation	0.11	0.13	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	57%	57%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Based on a projected 24.5% population increase within the service area from 2019 to 2045.



SAILFISH POINT

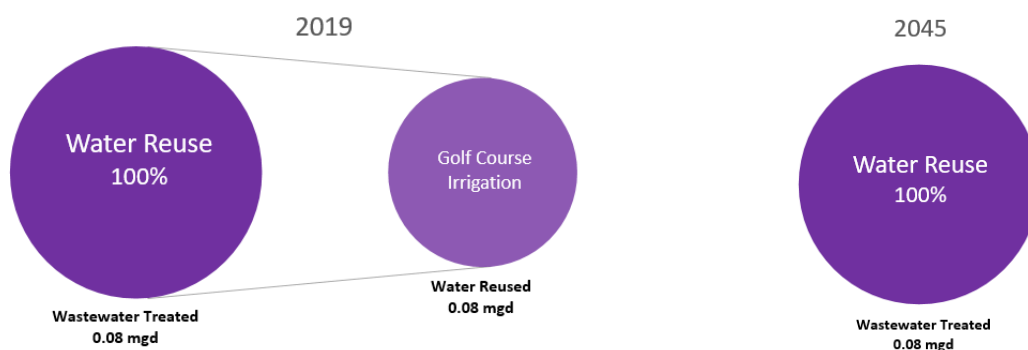
Description: The WWTF is located at 6929 SE North Marina Way, Stuart, Florida. The treatment facility provides reclaimed water for irrigation of the Sailfish Point Golf Course. Any treated wastewater from the facility that does not meet standards is diverted to an on-site storage tank, then pumped back to the facility headworks. The facility and service area are at buildout; no growth is expected.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA017466		
Wastewater Treatment Capacity (mgd)	0.25		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	1		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.08	0.08	
Total Wastewater Disposed	0.00	0.00	
Deep Injection Well	0.00	0.00	
Surface Water	0.00	0.00	
Total Water Reused	0.08	0.08	
Residential Irrigation	0.00	0.00	
Golf Course Irrigation	0.08	0.08	
Other Irrigation	0.00	0.00	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	100%	100%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Service area is at buildout. Projections are based on previous 5 years (2015 to 2019) of reported flows in the FDEP Reuse Inventory.



SOUTH MARTIN REGIONAL UTILITY

Description: The WWTF is located at 8181 SE Skylark Avenue, Hobe Sound, Florida. The treatment facility provides reclaimed water to irrigate golf courses, schools, and residences. If needed, reclaimed water that is not reused can be applied to two on-site percolation ponds (rapid infiltration basins).

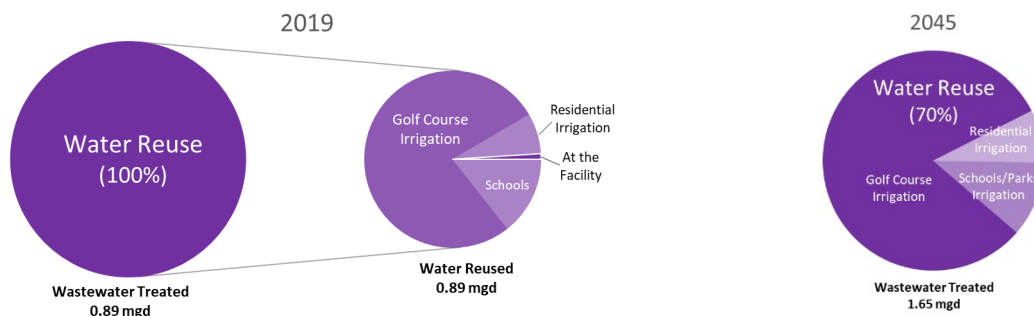
Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA013859		
Wastewater Treatment Capacity (mgd)	1.40		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	75		
Golf Courses	4		
Parks and Schools	1		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.81	1.65	
Total Wastewater Disposed	0.00	0.00	
Deep Injection Well	0.00	0.00	
Surface Water	0.00	0.00	
Total Water Reused	0.89^c	1.16	
Residential Irrigation	0.06	0.09	
Golf Course Irrigation	0.69	0.94	
Other Irrigation	0.13	0.13	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.01	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.08	0.00	
Reuse Percentage	100%	70%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
Expand reclaimed water treatment capacity – phase 2	12/31/2026	1.26	0.20

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Data provided by the utility.

^c Total reuse is greater than total wastewater treated due to additional supplemental groundwater use.



CITY OF STUART

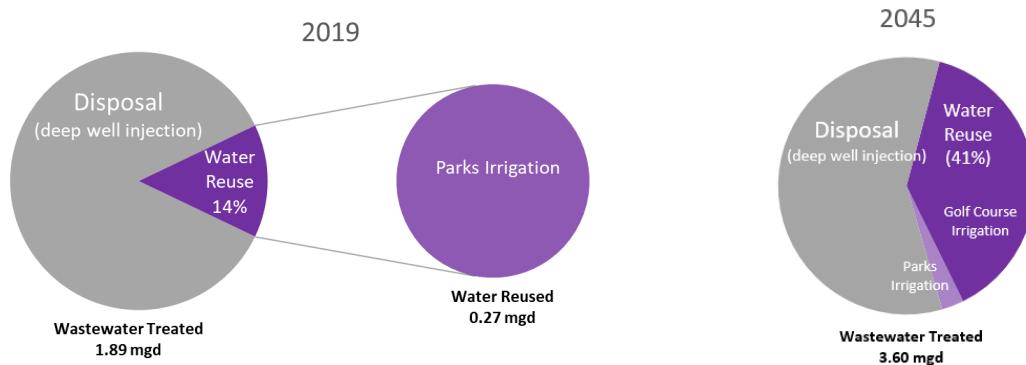
Description: The WWTF is located at 301 SE Stypmann Boulevard, Stuart, Florida. The treatment facility is permitted to provide reclaimed water for public access irrigation, including golf courses, parks, and schools. At this time, irrigation with reclaimed water is used solely for irrigation of parks. Treated water that is not reused is disposed of through deep well injection.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification		FLA041459	
Wastewater Treatment Capacity (mgd)		4.00	
Disinfection ^a		High-level	
Water Reuse?		Yes	
Public Access Users Served:			
Residences		0	
Golf Courses		0	
Parks and Schools		4	
Facility Flows (mgd)			
		2019	2045 ^b
Total Wastewater Treated		1.89	3.60
Total Wastewater Disposed		1.62	2.10
Deep Injection Well		1.62	2.10
Surface Water		0.00	0.00
Total Water Reused		0.27	1.48
Residential Irrigation		0.00	0.00
Golf Course Irrigation		0.00	1.38
Other Irrigation		0.27	0.10
Groundwater Recharge (RIBs)		0.00	0.00
Industrial		0.00	0.00
Wetlands		0.00	0.00
Other		0.00	0.00
Supplemental to Reclaimed Water (type)		0.00	0.00
Reuse Percentage		14%	41%
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Data provided by the utility.



FORT PIERCE UTILITIES AUTHORITY – ISLAND

Description: The WWTF is located at 403 Seaway Drive, Fort Pierce, Florida. Treated effluent from the facility is disposed of through deep well injection. Infrequently during testing, discharge is permitted to the Indian River Lagoon. A small amount of the treated water is used at the facility for industrial purposes. The new Mainland WWTF is expected to replace the existing Island facility by 2045.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FL0027278		
Wastewater Treatment Capacity (mgd)	10.00		
Disinfection ^a	Basic		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	0		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	4.23	4.96^c	
Total Wastewater Disposed	4.17	2.48^d	
Deep Injection Well	4.17	2.48	
Surface Water	0.00	0.00	
Total Water Reused	0.06	2.48^d	
Residential Irrigation	0.00	0.00	
Golf Course Irrigation	0.00	0.00	
Other Irrigation	0.00	2.48	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial (at the facility)	0.06	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	1%	50%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
Mainland WWTF	12/31/2045	131.50	7.00

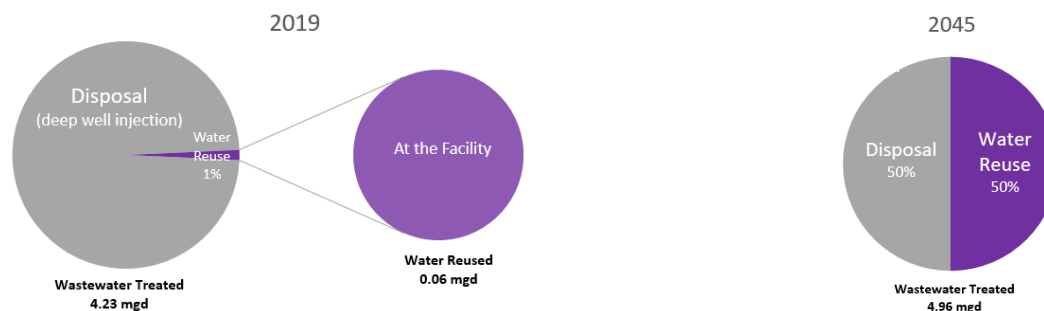
WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a Basic disinfection as described in Rule 62-600.440(4), F.A.C.

^b The proposed Mainland WWTF is expected to replace the existing Island WWTF by 2045.

^c Based on a projected 17.2% population increase within the service area from 2019 to 2045.

^d It is assumed that 50% of treated wastewater will be reused from the proposed Mainland WWTF, with the remainder disposed of through deep well injection.



HARBOUR RIDGE

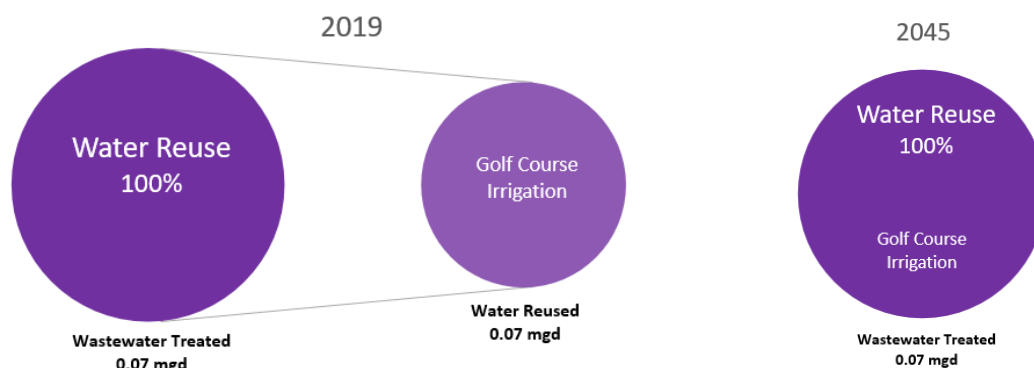
Description: The WWTF is located at 12600 Harbour Ridge Boulevard, Palm City, Florida. The treatment facility provides reclaimed water to a holding pond used for irrigation of the Harbour Ridge Golf Course. If needed, the treated wastewater can be diverted to an on-site percolation pond (rapid infiltration basin).

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA013986		
Wastewater Treatment Capacity (mgd)	0.12		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	2		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.07	0.07	
Total Wastewater Disposed	0.00	0.00	
Deep Injection Well	0.00	0.00	
Surface Water	0.00	0.00	
Total Water Reused	0.07	0.07	
Residential Irrigation	0.00	0.00	
Golf Course Irrigation	0.07	0.07	
Other Irrigation	0.00	0.00	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	100%	100%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Service area is assumed to be at buildout. Projections are based on previous 5 years (2015 to 2019) of reported flows in the FDEP Reuse Inventory.



ISLAND DUNES

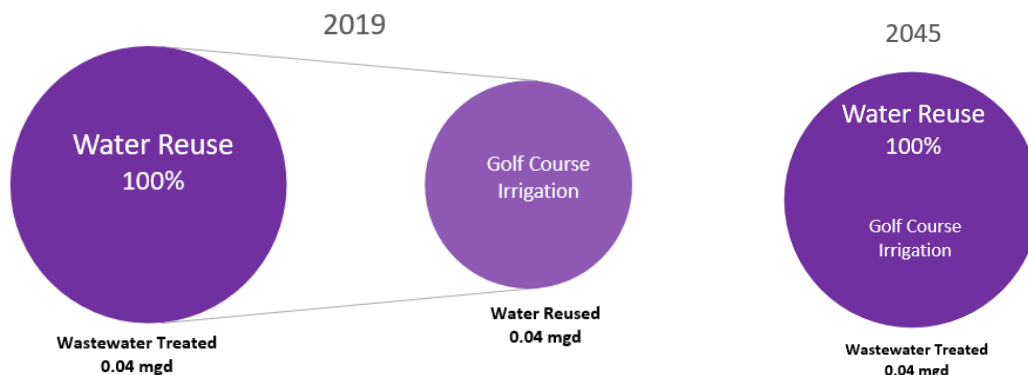
Description: The WWTF is located at 8735 South Ocean Drive, Jensen Beach, Florida. The treatment facility provides reclaimed water to a lined storage pond that is used to irrigate the Island Dunes Golf Course. If necessary, a second on-site lined pond is available for reject water.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA013980		
Wastewater Treatment Capacity (mgd)	0.12		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	1		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.04	0.04	
Total Wastewater Disposed	0.00	0.00	
Deep Injection Well	0.00	0.00	
Surface Water	0.00	0.00	
Total Water Reused	0.04	0.04	
Residential Irrigation	0.00	0.00	
Golf Course Irrigation	0.04	0.04	
Other Irrigation	0.00	0.00	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	100%	100%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Service area is assumed to be at buildout. Projections are based on previous 5 years (2015 to 2019) of reported flows in the FDEP Reuse Inventory.



MEADOWOOD

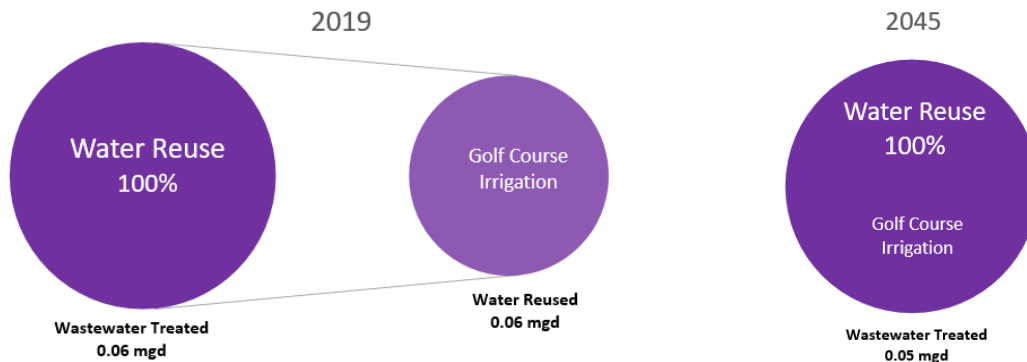
Description: The WWTF is located at 3001 Johnston Road, Fort Pierce, Florida. Reclaimed water from the facility is used for irrigation at the Meadowood Golf Course. If needed, treated wastewater can be diverted to an on-site percolation pond (rapid infiltration basin).

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification		FLA013982	
Wastewater Treatment Capacity (mgd)		0.11	
Disinfection ^a		High-level	
Water Reuse?		Yes	
Public Access Users Served:			
Residences		0	
Golf Courses		1	
Parks and Schools		0	
Facility Flows (mgd)			
		2019	2045 ^b
Total Wastewater Treated		0.06	0.05
Total Wastewater Disposed		0.00	0.00
Deep Injection Well		0.00	0.00
Surface Water		0.00	0.00
Total Water Reused		0.06	0.05
Residential Irrigation		0.00	0.00
Golf Course Irrigation		0.06	0.05
Other Irrigation		0.00	0.00
Groundwater Recharge (RIBs)		0.00	0.00
Industrial		0.00	0.00
Wetlands		0.00	0.00
Other		0.00	0.00
Supplemental to Reclaimed Water (type)		0.00	0.00
Reuse Percentage		100%	100%
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Service area is assumed to be at buildout. Projections are based on previous 5 years (2015 to 2019) of reported flows in the FDEP Reuse Inventory.



PORT ST. LUCIE – GLADES

Description: The WWTF is located at 10700 NW Cut-off Road, Port St. Lucie, Florida. The Glades facility uses reclaimed water solely for on-site industrial purposes. Most of the treated effluent is disposed of through an on-site deep injection well, with a permit for alternate disposal at the James E. Anderson water treatment plant's deep injection well. The facility is permitted to use reclaimed water for urban irrigation, but the distribution system has not yet been completed.

System has not yet been completed.

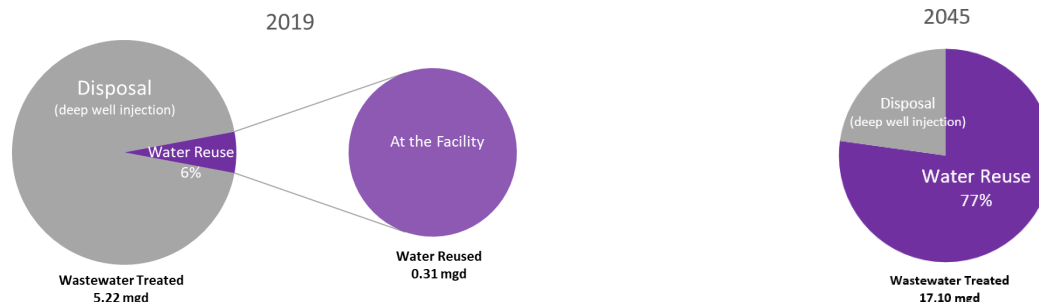
Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA326321		
Wastewater Treatment Capacity (mgd)	12.00		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	0		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	5.22	17.10	
Total Wastewater Disposed	4.91	3.90	
Deep Injection Well	4.91	3.90	
Surface Water	0.00	0.00	
Total Water Reused	0.31	13.20^c	
Residential Irrigation	0.00	4.40	
Golf Course Irrigation	0.00	4.40	
Other Irrigation	0.00	4.40	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial (at the facility)	0.31	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	6%	77%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
Glades reuse water to Tradition	12/31/2021	3.70	5.00
WWTF expansion and interconnect with Westport WWTF	12/31/2045	90.00	6.00

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Data provided by the utility.

^c Reclaimed water is projected to be used for irrigation, split evenly among residential, golf course, and other (e.g., parks).



PORT ST. LUCIE – WESTPORT

Description: The WWTF is located at 3721 SW Darwin Boulevard, Port St. Lucie, Florida. The Westport facility provides reclaimed water to four golf courses: Floridian Golf & Yacht Club, Santa Lucia Golf River Club (Ballantrae), Tesoro Club, and Veranda Gardens West. Three on-site percolation ponds (rapid infiltration basins) are available, if needed. The remaining treated effluent is disposed of through deep well injection.

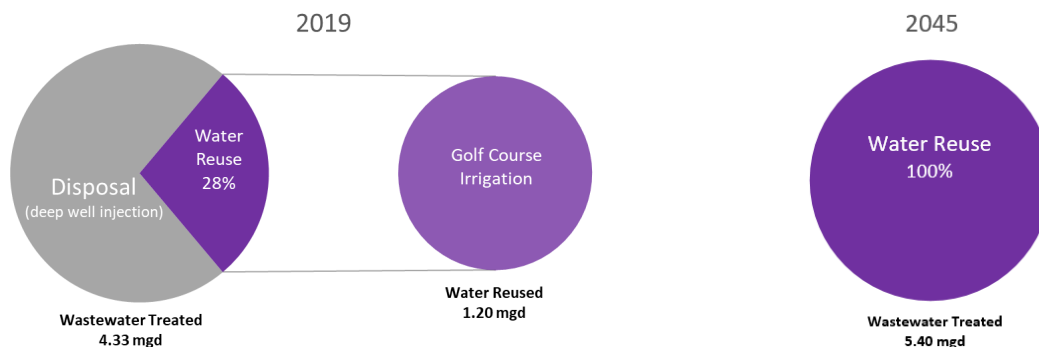
Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA139653		
Wastewater Treatment Capacity (mgd)	6.00		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	4		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	4.33	5.40	
Total Wastewater Disposed	3.13	0.00	
Deep Injection Well	3.13	0.00	
Surface Water	0.00	0.00	
Total Water Reused	1.20	5.40^c	
Residential Irrigation	0.00	1.80	
Golf Course Irrigation	1.20	1.80	
Other Irrigation	0.00	1.80	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	28%	100%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Data provided by the utility.

^c Reclaimed water is projected to be used for irrigation, split evenly among residential, golf course, and other (e.g., parks).



ST. LUCIE COUNTY – NORTH (HOLIDAY PINES)

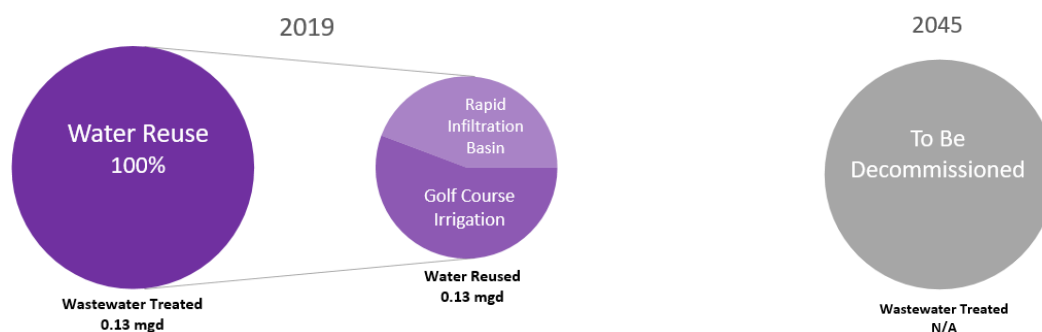
Description: The WWTF is located at 5804 Indian Pines Boulevard, Fort Pierce, Florida. This treatment facility provides reclaimed water for irrigation at the Island Pines Golf Course. Excess reclaimed water and any treated wastewater not meeting standards is diverted to seven on-site rapid infiltration basins. The Holiday Pines WWTF is expected to be replaced by the North County Regional WWTF when it comes online.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA013969		
Wastewater Treatment Capacity (mgd)	0.30		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	0		
Golf Courses	1		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.13	--	
Total Wastewater Disposed	0.00	--	
Deep Injection Well	0.00	--	
Surface Water	0.00	--	
Total Water Reused	0.13	--	
Residential Irrigation	0.00	--	
Golf Course Irrigation	0.07	--	
Other Irrigation	0.00	--	
Groundwater Recharge (RIBs)	0.06	--	
Industrial	0.00	--	
Wetlands	0.00	--	
Other	0.00	--	
Supplemental to Reclaimed Water (type)	0.00	--	
Reuse Percentage	100%	--	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Per utility-provided information, the facility is to be decommissioned when the North County Regional WWTF comes online.



ST. LUCIE COUNTY – NORTH COUNTY REGIONAL (PROPOSED)

Description: The proposed North County Regional WWTF is planned to be constructed on a parcel northwest of the airport along Taylor Dairy Road and Indrio Road in Lakewood Park, Florida. The initial treatment capacity is expected to be between 2.00 and 4.00 mgd, depending on development in the area. The facility will accept flows from the existing Holiday Pines WWTF, Fairwinds, Lakewood Park, and developments along the Indrio Road and North U.S. Highway 1 corridors. The facility is planned to be a 100% water reuse facility, with wet weather disposal through a proposed deep injection well.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	--		
Wastewater Treatment Capacity (mgd)	2.00 to 4.00		
Disinfection	--		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	--		
Golf Courses	--		
Parks and Schools	--		
Facility Flows (mgd)			
	2019	2045	
Total Wastewater Treated	--	2.00 to 4.00^a	
Total Wastewater Disposed	--	1.00^b	
Deep Injection Well	--	1.00	
Surface Water	--	0.00	
Total Water Reused	--	3.00^c	
Residential Irrigation	--	1.00	
Golf Course Irrigation	--	1.00	
Other Irrigation	--	1.00	
Groundwater Recharge (RIBs)	--	0.00	
Industrial	--	0.00	
Wetlands	--	0.00	
Other	--	0.00	
Supplemental to Reclaimed Water (type)	--	0.00	
Reuse Percentage	--	75%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a WWTF capacity range provided by the utility. The projected 2045 wastewater flow is assumed to be 4.00 mgd.

^b Wet weather disposal through deep well injection will be needed; therefore, an annual average reuse percentage of 75% is assumed.

^c Reclaimed water is projected to be used for irrigation, split evenly among residential, golf course, and other (e.g., parks).



ST. LUCIE COUNTY – NORTH HUTCHINSON ISLAND

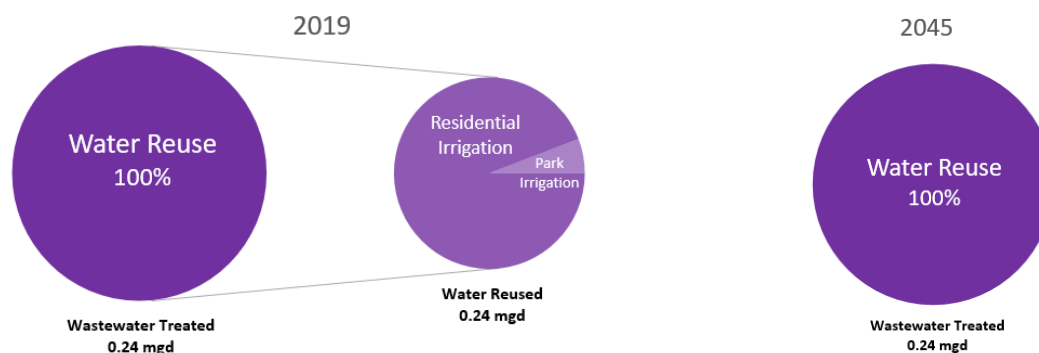
Description: The WWTF is located on State Road A1A (Atlantic Beach Boulevard) on North Hutchinson Island in Fort Pierce, Florida. The treatment facility provides reclaimed water for irrigation of residential developments and Pepper Park and for dune line irrigation and restoration.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FLA013946		
Wastewater Treatment Capacity (mgd)	0.85		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	155		
Golf Courses	0		
Parks and Schools	1		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.24	0.24	
Total Wastewater Disposed	0.00	0.00	
Deep Injection Well	0.00	0.00	
Surface Water	0.00	0.00	
Total Water Reused	0.24	0.24	
Residential Irrigation	0.23	0.23	
Golf Course Irrigation	0.00	0.00	
Other Irrigation	0.01	0.01	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	100%	100%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Service area is assumed to be at/near buildout. Projections are based on the 2019 reported flows in the FDEP Reuse Inventory.



ST. LUCIE COUNTY – SOUTH HUTCHINSON ISLAND

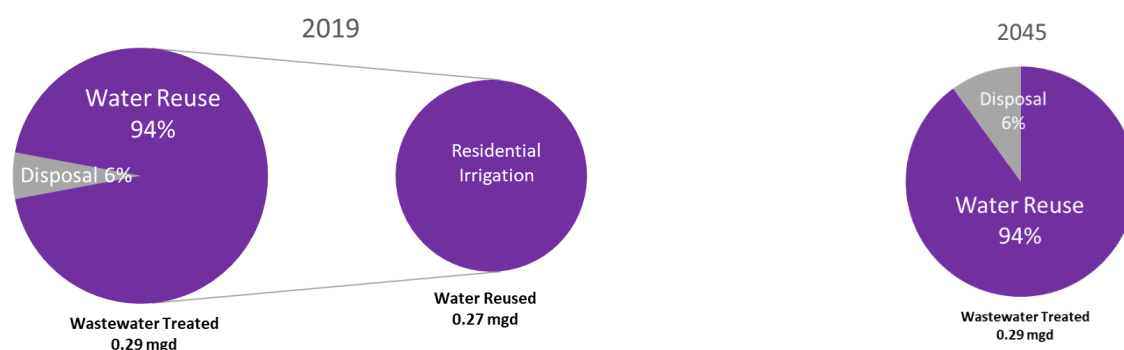
Description: The WWTF is located on South Hutchinson Island at 7601 South Ocean Drive, Jensen Beach, Florida. The treatment facility provides reclaimed water from the St. Lucie/Martin county line north to the limits of the WWTF's service area. Major users include the Island Development Group/Ocean Planned Unit Development, John Brooks Park, and Fredrick Douglas Park. The WWTF has a permit to discharge effluent into Florida Power & Light's discharge canal, which flows to the Atlantic Ocean, as backup disposal to irrigation.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification	FL0139475		
Wastewater Treatment Capacity (mgd)	1.60		
Disinfection ^a	High-level		
Water Reuse?	Yes		
Public Access Users Served:			
Residences	104		
Golf Courses	0		
Parks and Schools	0		
Facility Flows (mgd)			
	2019	2045 ^b	
Total Wastewater Treated	0.29	0.29	
Total Wastewater Disposed	0.02	0.02	
Deep Injection Well	0.00	0.00	
Surface Water	0.02	0.02	
Total Water Reused	0.27	0.27	
Residential Irrigation	0.27	0.27	
Golf Course Irrigation	0.00	0.00	
Other Irrigation	0.00	0.00	
Groundwater Recharge (RIBs)	0.00	0.00	
Industrial	0.00	0.00	
Wetlands	0.00	0.00	
Other	0.00	0.00	
Supplemental to Reclaimed Water (type)	0.00	0.00	
Reuse Percentage	94%	94%	
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Service area is assumed to be at/near buildout. Projections are based on the 2019 reported flows in the FDEP Reuse Inventory.



ST. LUCIE WEST SERVICES DISTRICT

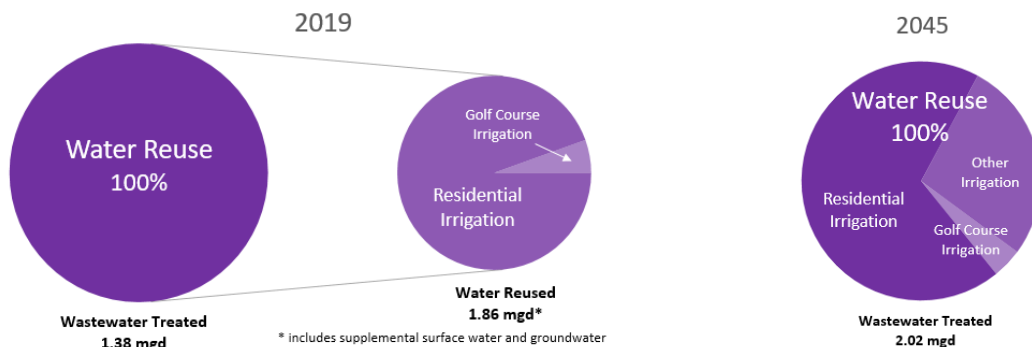
Description: The WWTF is located at 450 SW Utility Drive, Port St. Lucie, Florida. The St. Lucie West Services District provides wastewater services to more than 6,700 residences and delivers reclaimed water for irrigation to more than 5,100 residences, in addition to golf courses, parks, schools, and medians. Supplemental sources include surface water from Lakes Charles and Ernie as well as groundwater from five shallow wells and three potable water supply wells. A lined reclaimed water pond is located at the WWTF site for storage.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification		FLA013993	
Wastewater Treatment Capacity (mgd)		2.13	
Disinfection ^a		High-level	
Water Reuse?		Yes	
Public Access Users Served:			
Residences		5,162	
Golf Courses		3	
Parks and Schools		15	
Facility Flows (mgd)			
		2019	2045 ^b
Total Wastewater Treated		1.38	2.02
Total Wastewater Disposed		0.00	0.00
Deep Injection Well		0.00	0.00
Surface Water		0.00	0.00
Total Water Reused		1.86	2.97
Residential Irrigation		1.76	2.04
Golf Course Irrigation		0.10	0.12
Other Irrigation		0.00	0.81
Groundwater Recharge (RIBs)		0.00	0.00
Industrial		0.00	0.00
Wetlands		0.00	0.00
Other		0.00	0.00
Supplemental to Reclaimed Water (type)		0.45 (surface water) 0.03 (groundwater)	0.95 (surface water & groundwater)
Reuse Percentage		100%	100%
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Data provided by the utility.



SAVANNA CLUB

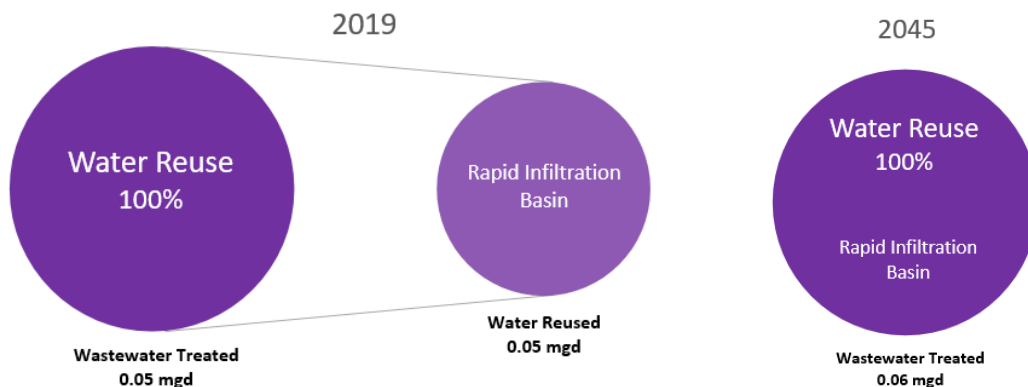
Description: The WWTF is located at 3492 Crabapple Drive, Port St. Lucie, Florida. Chlorinated effluent from the treatment facility is discharged alternately to two percolation ponds (rapid infiltration basins).

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification		FLA013958	
Wastewater Treatment Capacity (mgd)		0.15	
Disinfection ^a		Basic	
Water Reuse?		Yes	
Public Access Users Served:			
Residences		0	
Golf Courses		0	
Parks and Schools		0	
Facility Flows (mgd)			
		2019	2045 ^b
Total Wastewater Treated		0.05	0.06
Total Wastewater Disposed		0.00	0.00
Deep Injection Well		0.00	0.00
Surface Water		0.00	0.00
Total Water Reused		0.05	0.06
Residential Irrigation		0.00	0.00
Golf Course Irrigation		0.00	0.00
Other Irrigation		0.00	0.00
Groundwater Recharge (RIBs)		0.05	0.06
Industrial		0.00	0.00
Wetlands		0.00	0.00
Other		0.00	0.00
Supplemental to Reclaimed Water (type)		0.00	0.00
Reuse Percentage		100%	100%
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a Basic disinfection as described in Rule 62-600.440(4), F.A.C.

^b Service area is assumed to be at buildout. Projections are based on previous 5 years (2015 to 2019) of reported flows in the FDEP Reuse Inventory.



SPANISH LAKES COUNTRY CLUB

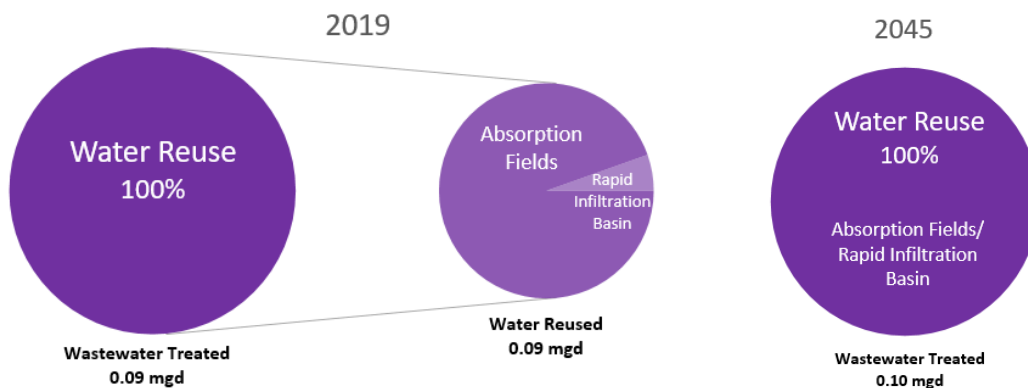
Description: The WWTF is located near the intersection of La Villa Way and Calle De Lagos, Fort Pierce, Florida. Treated wastewater from the facility is sent to an absorption field system consisting of three drain fields and two percolation ponds.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification		FLA013977	
Wastewater Treatment Capacity (mgd)		0.16	
Disinfection ^a		Basic	
Water Reuse?		Yes	
Public Access Users Served:			
Residences		0	
Golf Courses		0	
Parks and Schools		0	
Facility Flows (mgd)			
		2019	2045 ^b
Total Wastewater Treated		0.09	0.10
Total Wastewater Disposed		0.00	0.00
Deep Injection Well		0.00	0.00
Surface Water		0.00	0.00
Total Water Reused		0.09	0.10
Residential Irrigation		0.00	0.00
Golf Course Irrigation		0.00	0.00
Other Irrigation		0.00	0.00
Groundwater Recharge (RIBs)		0.00	0.00
Industrial		0.00	0.00
Wetlands		0.00	0.00
Other (absorption field)		0.09	0.10
Supplemental to Reclaimed Water (type)		0.00	0.00
Reuse Percentage		100%	100%
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a Basic disinfection as described in Rule 62-600.440(4), F.A.C.

^b Service area is assumed to be at buildout. Projections are based on previous 5 years (2015 to 2019) of reported flows in the FDEP Reuse Inventory.



SPANISH LAKES FAIRWAYS

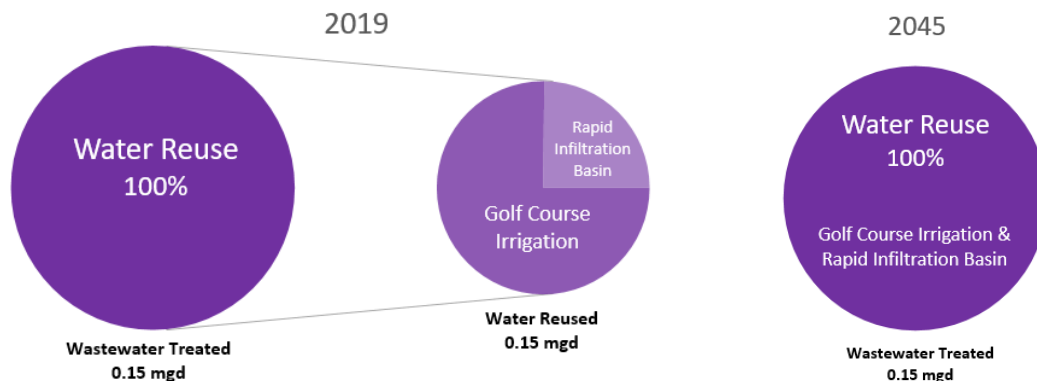
Description: The WWTF is located at the intersection of Aguila Avenue and Alemendra Street in Fort Pierce, Florida. The treatment facility provides reclaimed water to the Spanish Lakes Fairways golf course. A lined pond at the facility is available for storage. Three percolation ponds (rapid infiltration basins) for groundwater recharge are an alternative for irrigation of reclaimed water.

Wastewater Treatment Facility Information			
FDEP Water Facilities Regulation Identification		FLA013998	
Wastewater Treatment Capacity (mgd)		0.25	
Disinfection ^a		High-level	
Water Reuse?		Yes	
Public Access Users Served:			
Residences		0	
Golf Courses		1	
Parks and Schools		0	
Facility Flows (mgd)			
		2019	2045 ^b
Total Wastewater Treated		0.15	0.15
Total Wastewater Disposed		0.00	0.00
Deep Injection Well		0.00	0.00
Surface Water		0.00	0.00
Total Water Reused		0.15	0.15
Residential Irrigation		0.00	0.00
Golf Course Irrigation		0.11	0.11
Other Irrigation		0.00	0.00
Groundwater Recharge (RIBs)		0.04	0.04
Industrial		0.00	0.00
Wetlands		0.00	0.00
Other		0.00	0.00
Supplemental to Reclaimed Water (type)		0.00	0.00
Reuse Percentage		100%	100%
Reclaimed Water Project Summary			
Project Name	Completion Date	Total Capital Cost (\$ million)	Added Capacity (mgd)
No Projects	--	--	--

WWTF = wastewater treatment facility; FDEP = Florida Department of Environmental Protection; mgd = million gallons per day; RIB = rapid infiltration basin.

^a High-level disinfection as described in Rule 62-600.440(5), F.A.C.

^b Service area is assumed to be at buildout. Projections are based on the 2019 reported flows in the FDEP Reuse Inventory.



REFERENCES

FDEP. 2020. *2019 Reuse Inventory*. Water Reuse Program, FDEP, Tallahassee, Florida.