

Indian River County Indian River Lagoon Management Plan - Project List

NA - Not Applicable
TBD - To Be Determined

Department	Project	Description	Status	Estimated Cost		Nutrient Removal			
			O - Operational UC - Under Construction D - Designed C - Conceptual	Capital	Annual O&M	Total Nitrogen (TN) Reduction		Total Phosphorus (TP) Reduction	
				(\$)	(\$)	(pounds / year)	(\$/pound)	(pounds / year)	(\$/pound)
Coastal Engineering	Jungle Trail Shoreline Enhancement	This site offers the opportunity for living shoreline projects which naturally protect the historical Jungle Trail	O	\$225,000	NA	NA	NA	NA	NA
Coastal Engineering	Seagrass Restoration	Seagrass restoration at Big Slough at Preacher's Hole	D	\$128,540-\$1,400,000	NA	NA	NA	NA	NA
Coastal Engineering	Seagrass Restoration	Seagrass restoration at Big Slough, south of Sebastian Inlet	D	\$128,540-\$1,400,000	NA	NA	NA	NA	NA
Coastal Engineering	Muck Removal Evaluation	Muck is defined as black, organic-rich (greater than 10% organic matter), mud-rich (greater than 60% silt and clay), high water content (greater than 75% water by weight, greater than 90% water by volume) sediments. The muck sediment contains nutrients and serves as an internal "legacy load" of nutrients that releases (fluxes) nutrients back into the water column. These sediments inhibit the growth of natural benthic communities and flux nutrients to overlying water. Research will include the review of available muck mapping data to evaluate the presence and quantities of muck. Evaluate costs and benefits for additional surveys to provide a data set that will allow the County to prioritize for muck removal. Evaluate nutrient flux from muck deposits to determine the nutrient loading to the IRL.	D	\$102,275	NA	NA	NA	NA	NA
Coastal Engineering	Lauren's Island Reef and Living Shoreline	Installation of an oyster reef structure around the perimeter of Lauren's Island to increase oyster density and reduce erosion.	D	\$300,000	NA	NA	NA	NA	NA
Coastal Engineering	Round Island Riverside Park	To the north of Round Island South Conservation Area, the County owns two spoil islands that are part of Round Island Park. A boardwalk has been constructed to connect the smaller of the two islands to the barrier island. This approximately 7.5-acre island is dominated by exotic species and would be a potential site for habitat revitalization and water quality improvements such as creation of wetlands along the shoreline, creation of sand flats for avian habitat, and creation of native uplands.	C	TBD	NA	NA	NA	NA	NA
Coastal Engineering	Oyster/Benthic Community Survey (current and historical)	Identify current and historical locations and coverage of benthic organisms including seagrass, clams, and oysters. Determine the area necessary for revitalization of the lagoon and implement efforts.	C	TBD	NA	NA	NA	NA	NA
Coastal Engineering	A1A Shoreline Enhancement	Living shoreline project to naturally protect State Road A1A and the pedestrian sidewalk for approximately two miles south of Sebastian Inlet.	C	TBD	NA	NA	NA	NA	NA
Conservation Lands	Oyster Bar Marsh	Approximately 96 acres of maritime hammock and impounded wetland, located between State Road A1A and the IRL on the barrier island. The site is approximately one-half mile north of Round Island Beach County Park. The County has been working in partnership with the Indian River Land Trust and with the Indian River County Mosquito Control District to install culverts connecting the impoundment to the lagoon that will improve flushing.	O	TBD	NA	NA	NA	NA	NA
Conservation Lands	Jones' Pier Conservation Area	The County purchased this area in 2011 and committed to implementing a management plan for the site that revitalizes ecological value, while utilizing the site for public access and display of educational and historical exhibits.	O	TBD	NA	TBD	TBD	TBD	TBD
Conservation Lands	Captain Forster Hammock Preserve	Captain Forster Hammock Preserve consists of 111 acres acquired by the County and Trustee of the Internal Improvement Trust Fund (IITF) in 1996 and 1998. The preserve includes several different community types such as sandy dunes and coastal scrub along the eastern portions of the preserve, and maritime hammock and mangroves within the western portion. The section of the preserve abutting the lagoon was damaged from salt water inundation as a result of Hurricane Matthew and may have the potential to be Revitalized in a manner that will provide significant benefits to the lagoon.	O	TBD	NA	NA	NA	NA	NA
Conservation Lands	Lost Tree Island Conservation Area	The Lost Tree Islands Conservation Area (LTICA) was purchased in 2003 by Indian River County with funding assistance from the Florida Communities Trust and in partnership with the City of Vero Beach (COVB) and the Town of Indian River Shores (TIRS). The 508-acre conservation area includes upland, wetland and submerged land forms located in the central portion of the County's section of the Indian River Lagoon. The 3 larger islands (cumulative acreage of 177.4 acres) and the wetlands within the LTICA were most likely formed through natural processes, however, the topography of these islands has been modified by placement of spoil dredged from the Intracoastal Waterway channel and is dominated by Australian pines (Casuarina equisetifolia) and Brazilian pepper (Schinus terebinthifolius). The County received a IRLNEP grant to develop a restoration and enhancement plan. The plan includes the construction of flow-through wetlands, maritime hammock, and transitional wetlands which will provide diverse wildlife habitat. baseline surveys show that there are seagrasses along the shoreline - there is a goal of expanding seagrass cover into the interior wetland areas, if feasible.	UC	TBD	NA	NA	NA	NA	NA

Indian River County Indian River Lagoon Management Plan - Project List

NA - Not Applicable
TBD - To Be Determined

Department	Project	Description	Status	Estimated Cost		Nutrient Removal			
			O - Operational UC - Under Construction D - Designed C - Conceptual	Capital	Annual O&M	Total Nitrogen (TN) Reduction		Total Phosphorus (TP) Reduction	
				(\$)	(\$)	(pounds / year)	(\$/pound)	(pounds / year)	(\$/pound)
Conservation Lands	Archie Smith Fish House	The Archie Smith Fish House is part of the historical working waterfront in Sebastian along Indian River Drive. The property includes a small tract (0.07 acres) on the east side of Indian River Drive with two buildings and the dock structure extending approximately 240 feet into the IRL. There are several historically significant structures on the property: the historical residence just east of the public road, the dock, and the icehouse near the end of the pier. West of Indian River Drive, the property consists of approximately 1.1 acres of developed and undeveloped lands. The County plans to Revitalize these facilities as part of the management plan for the site. Part of this Revitalization may include identifying opportunities to enhance seagrass or oyster habitat in proximity to the site or evaluating the shoreline to determine if there are opportunities for creating a living shoreline.	UC	TBD	NA	NA	NA	NA	NA
Conservation Lands	South Oslo Riverfront Conservation Area	South Oslo Riverfront Conservation Area (SORCA) is a 143-acre site that abuts the IRL. The site consists of a mixture of mangrove impoundment, maritime hammock, and pine flatwoods. SORCA's eastern impoundment is no longer part of a rotational impoundment management (RIM) network. The SJRWMD has received a grant from FDEP (to be coordinated with IRC) to remove the majority of the impoundment dike to re-connect natural flow to the IRL. The project will remove 1,100-foot long perimeter dike to improve exchange between impounded mangroves and the Indian River Lagoon (IRL). Restoration of a more natural hydroperiod in the impoundment will benefit wildlife that use the mangroves, the coastal hammock, adjacent seagrass beds, and habitat for species that support fisheries.	C - Grant received for design?	TBD	NA	NA	NA	NA	
Conservation Lands	Spoil Island Enhancement Opportunities	Potential to create living shorelines, oyster bars, and wetland habitats.	C	TBD	NA	NA	NA	NA	
Conservation Lands	Round Island South Conservation Area	Approximately 65 acres of maritime hammock and impounded wetlands located between State Road A1A and the IRL on the barrier island. The southern boundary of the site is the Indian River County line. The large wetland impoundment contains a mixture of herbaceous saltmarsh flats and mangroves and is one of the more diverse estuarine wetlands in the area. There are potential opportunities for establishment of a more diverse living shoreline along some sections of the impoundment, there also is potential for increased connection between the impoundment and the IRL, which would improve habitat and water quality within the impounded wetlands. This area is known to be extensively used by manatees; therefore, all proposed activities would need to be consistent with manatee protection guidelines.	C	TBD	NA	NA	NA	NA	
Conservation Lands	Prange Island Conservation Area	Located in the lagoon just south of the 17th Street Causeway Bridge, and immediately north of the southern Vero Beach city limit, there are two undeveloped islands that comprise the project: the larger (southern) island, known as Prange Island, containing approximately 16.6 acres above mean high water, and the smaller (northern) island, known as Little Prange Island, containing approximately 5.8 acres above mean high water. Prange Island is located near an Ais Indian village site called Jece on the adjacent barrier island. A prehistoric shell-midden is reported on Prange Island, but the precise location of the site is unknown at this time. The island's name comes from the Prange family who homesteaded there in the later 1800s. In areas where there is heavy exotic invasion, there is potential to create a mixture of upland and wetland communities that may benefit the lagoon from both a habitat and a water quality perspective.	C	TBD	NA	NA	NA	NA	
Conservation Lands	Pelican Island National Wildlife Refuge	The Pelican Island National Wildlife Refuge contains a mosaic of over 5,400 acres of wildlife habitat along the barrier island in northern Indian River County. The refuge is designated as a National Historic Landmark, a Wetland of International Importance, and a candidate Marine Protected Area. The original holdings within the refuge have expanded over time through acquisition efforts by the United States Fish and Wildlife Service (USFWS), state of Florida, and local governments. Indian River County owns, or shares ownership, on approximately 200 acres within the refuge. The County works closely with the USFWS to ensure that management of the areas is targeted at maximizing the potential wildlife habitat. The County intends to continue this collaboration to identify opportunities for projects that can enhance conditions within the lagoon.	C	TBD	NA	NA	NA	NA	
Stormwater	System Maintenance	The Road & Bridge Division provides maintenance throughout the county in support of a healthy Indian River Lagoon. This maintenance includes street sweeping and a ditch cleaning program. Increase street sweeping and O&M to capture nutrients.	O/C	TBD	TBD	TBD	TBD	TBD	

Indian River County Indian River Lagoon Management Plan - Project List

NA - Not Applicable
TBD - To Be Determined

Department	Project	Description	Status	Estimated Cost		Nutrient Removal			
			O - Operational UC - Under Construction D - Designed C - Conceptual	Capital	Annual O&M	Total Nitrogen (TN) Reduction		Total Phosphorus (TP) Reduction	
				(\$)	(\$)	(pounds / year)	(\$/pound)	(pounds / year)	(\$/pound)
Stormwater	Stormwater Education	The Stormwater Educator conducts many methods of education and outreach to Indian River County to inform students and adults about the importance of pollution prevention including fertilizer, pet waste, illicit discharge of chemicals, erosion, construction pollution, agricultural runoff, litter, and more. Currently the Stormwater Division presents to students throughout the school district, the Audubon Afterschool Advocates, Environmental Learning Center visitors, County employees, homeowner associations County-wide, and local professional groups such as Kiwanis and Rotary.	O	NA	NA	NA	NA	NA	NA
Stormwater	PC Main Screening System	This project removes freshwater plants and trash from the Main Relief Canal before the canal empties into the Lagoon.	O	\$5,331,908	\$63,260	1,456	\$3,662	351	\$15,191
Stormwater	Osprey Acres Flowway and Nature Preserve	The flowway continues to filter water from Osprey Marsh along with unfiltered water from the South Relief Canal. Filtering occurs through a system of treatment cells using aquatic plants to remove nutrients and then to a serpentine flowway for final polishing, eventually released further down the canal and into the Lagoon.	O	\$7,500,000	\$87,000	5,221	\$1,437	1,029	\$7,289
Stormwater	North Relief Canal LEAPS™	The unique LEAPS™ will remove nutrients through a system of plants that absorb nutrients from the canal water, filtering the stormwater before returning it to the canal and IRL.	O	\$12,000,000	\$85,000	4,900	\$2,449	690	\$17,391
Stormwater	Egret Marsh	This project removes nutrients from approximately 10 mgd of canal stormwater. The filtered stormwater flows through a large polishing pond and shallow marsh and returns to the canals and flows through the Main Relief Canal, eventually emptying into the Lagoon.	O	\$7,563,274	\$200,189	8,550	\$885	1,732	\$4,367
Stormwater	County Fertilizer and Landscape Management Ordinance	In 2013, the Indian River County Board of County Commissioners passed the Fertilizer and Landscape Management Ordinance that restricts the use of fertilizer and helps prevent excess nutrients (nitrogen and phosphorous) from entering the lagoon. The ordinance states that no fertilizer containing phosphorous is to be used and no fertilizer containing nitrogen can be applied during the rainy summer season. The ordinance also includes other best management landscape practices such as blowing grass clippings back into the yard.	O	\$100,000	\$100,000	21,434	\$5	3,114	\$32
Stormwater	Stormwater Masterplan	Create a stormwater masterplan to evaluate water quality in each basin and identify areas where funding opportunities would be most advantageous. Inform decision making for conceptual projects.	C	\$500,000	NA	NA	NA	NA	NA
Stormwater	Rockridge	Install Backflow prevention devices to protect the Subdivision from tidal influences.	C	\$150,000	\$5,000	TBD	TBD	TBD	TBD
Stormwater	Outfall Upgrades	Upgrade outfalls to the Indian River Lagoon with baffles, screens or infiltration media to ensure that the runoff reaching the lagoon has been pretreated to remove sediment, debris and possible nutrient loads depending on funding and measurable loads in those areas.	C	\$5,000,000	\$200,000	TBD	TBD	TBD	TBD
Stormwater	North and South Relief Canal Mechanical Water Lettuce Removal Systems	This project will use a long reach excavator to remove water lettuce from the North and South Relief canals to prevent excess nutrient loading to the lagoon. Two locations in these canals have already been identified for accumulating a large amount of water lettuce annually.	C	\$400,000	\$40,000	5,900	\$68	1,400	\$286
Stormwater	Historical Subdivision Retrofits	After a Flood Study has been performed, design and construct improvements to prevent future flooding and damage in older subdivision created prior to master drainage systems.	C	\$10,000,000	\$25,000	TBD	TBD	TBD	TBD
Stormwater	Flood Studies	Analysis of flooding areas to determine best solutions to prevent repeated substantial damage.	C	\$500,000	NA	NA	NA	NA	NA
Stormwater	CRS Rating Evaluation and Improvement	Improving Community Rating System (CRS) class can reduce flood insurance premium rates and make community infrastructure more resilient.	C	TBD	NA	NA	NA	NA	NA
Stormwater	Baffle Boxes	Baffle boxes could be installed in areas with a lot of organic material, such as leaf litter, or trash to capture those materials before they enter the stormwater system. Baffle boxes could also be installed on County, municipality, and FDOT outfalls to major tributaries, canals, and the lagoon to reduce the amount of pollutants discharged to surface waters.	C	TBD	TBD	TBD	TBD	TBD	TBD
Stormwater	8th St Parcel	Stormwater Management and Treatment pond to store large influxes of canal water to slowly release in times when flows are low. Protects the lagoon from large releases of flow.	C	\$16,000,000	\$100,000	163	\$98,160	37	\$432,432
Stormwater, Utilities, Parks	4th St Nutrient Reduction	Providing nutrient reductions from WWTP effluents and canals. Also providing additional storage of canal pulse discharges while providing water quality improvements.	C	\$15,000,000	\$25,000	TBD	TBD	TBD	TBD
Utilities	Spoonbill Marsh Wetland Treatment System	This 67-acre man-made habitat uses nature's own treatment techniques for the removal of both nitrogen and phosphorus from the demineralization concentrate by-product and from the waters of the Indian River Lagoon itself. The vegetation and aquatic organisms seen throughout the marsh play an active role in efficiently removing the nitrogen and phosphorus from the blended waters.	O	\$4,200,000	\$667,442	7,129	\$589	357	\$11,765

Indian River County Indian River Lagoon Management Plan - Project List

NA - Not Applicable
TBD - To Be Determined

Department	Project	Description	Status	Estimated Cost		Nutrient Removal			
			O - Operational UC - Under Construction D - Designed C - Conceptual	Capital	Annual O&M	Total Nitrogen (TN) Reduction		Total Phosphorus (TP) Reduction	
				(\$)	(\$)	(pounds / year)	(\$/pound)	(pounds / year)	(\$/pound)
Utilities	Osprey Marsh	This project is an algal nutrient removal facility system that removes dissolved nutrients from up to 10 million gallons per day (mgd) of stormwater and from up to 1.5 mgd of reverse osmosis reject water known as demineralization concentrate. The algal turf scrubber system uses a water treatment technology that was developed specifically to enhance water quality of polluted waters through the active cultivation of attached algae upon an engineered surface.	O	\$10,000,000	\$740,000	10,392	\$962	1,301	\$7,686
Utilities	Sebastian Septic to Sewer - Phase I	The Sebastian Septic to Sewer – Phase 1 area is presently served by an arterial sanitary sewer collection and conveyance system constructed in the early 1990s. However, there remains a large population of residential and commercial entities that use septic systems. The project includes an area of 73 acres with an assumption of one septic system per acre.	O	TBD	NA	TBD	TBD	NA	NA
Utilities	ArcNLET Modeling	Identify priority areas/neighborhoods and evaluate the potential for septic system removal or upgrade in the highest priority areas using the ArcGIS-Based Nitrate Load Estimation Toolkit (ArcNLET). Prepare and implement a plan for prioritized septic system removal or upgrades. Use ArcNLET data to obtain grant funds and TMDL/BMAP credits.	UC	\$65,000	NA	NA	NA	NA	NA
Utilities	West Wabasso Septic to Sewer Phase III	Convert approximately 31 septic systems to central sewer and construct approximately 61 stubouts for current and future connections.	UC	\$3,700,000	NA	2,219	\$1,667	18	\$205,556
Utilities	ArcNLET Modeling	Identify priority areas/neighborhoods and evaluate the potential for septic system removal or upgrade in the highest priority areas using the ArcGIS-Based Nitrate Load Estimation Toolkit (ArcNLET). Prepare and implement a plan for prioritized septic system removal or upgrades. Use ArcNLET data to obtain grant funds and TMDL/BMAP credits.	UC	\$65,000	NA	NA	NA	NA	NA
Utilities	North County (Roseland) Septic to Sewer	Project has the potential to connect up to 200 residents to the sewer system. A little over 40 residents have already connected.	UC	\$7,141,291	NA	3880.80	\$1,840	NA	NA
Utilities	West Wabasso Septic to Sewer Phase II	Convert 57 septic systems to central sewer and construct stub-outs for 47 vacant properties for future connection.	C	TBD	NA	3,224	#VALUE!	520	#VALUE!
Utilities	Sebastian Septic to Sewer - Phase II	This project will connect the existing septic systems to the sewer system which will allow for environmentally sound infrastructure growth to the area and lagoon. It will include an area of 73 acres with an assumption of one septic system per acre. There is an estimated concentration of 30 pounds of TN per year per system and 5 pounds of TP per year per system removed from the environment, with a total estimated reduction of 2,190 pounds per year of TN and 365 pounds per year of TP will result from this project.	C	TBD	NA	TBD	TBD	NA	NA
Utilities	Hobart Landing Unit 2	Septic to Sewer 26 homes	C	\$681,725	NA	965.00	\$706	NA	NA
Utilities	Orchid Island No. 1	Septic to Sewer 14 homes	C	\$407,869	NA	473.15	\$862	NA	NA
Utilities	Orchid Island No. 2	Septic to Sewer 22 homes	C	\$634,157	NA	737.76	\$860	NA	NA
Utilities	Hobart Landing Unit 3	Septic to Sewer 07 homes	C	\$135,951	NA	270.20	\$503	NA	NA
Utilities	Hallmark Ocean Subdivision	Septic to Sewer 03 homes	C	\$197,013	NA	115.80	\$1,701	NA	NA
Utilities	Ambersand Beach Sub No. 1 & 2	Septic to Sewer 73 homes	C	\$1,838,644	NA	2802.36	\$656	NA	NA
Utilities	Floravon Shores Subdivision	Septic to Sewer 36 homes	C	\$379,142	NA	949.44	\$399	NA	NA
Utilities	Naranja TR Shellmound Bch Replat of POR	Septic to Sewer 08 homes	C	\$330,674	NA	326.94	\$1,011	NA	NA
Utilities	Sebastian Highlands Unit 02 Collier	Septic to Sewer 27 homes	C	\$576,305	NA	1027.53	\$561	NA	NA
Utilities	River Shores Estates Units 1-4	Septic to Sewer 120 homes	C	\$2,933,294	NA	1663.11	\$1,764	NA	NA
Utilities	Rain Tree Corner Subdivision	Septic to Sewer 16 homes	C	\$468,796	NA	444.68	\$1,054	NA	NA
Utilities	Sebastian Highlands Unit 05	Septic to Sewer 404 homes	C	\$8,623,235	NA	13577.22	\$635	NA	NA
Utilities	Hobart Landing Unit 1	Septic to Sewer 17 homes	C	\$447,727	NA	136.40	\$3,282	NA	NA

Indian River County Indian River Lagoon Management Plan - Project List

NA - Not Applicable
TBD - To Be Determined

Department	Project	Description	Status	Estimated Cost		Nutrient Removal			
			O - Operational UC - Under Construction D - Designed C - Conceptual	Capital	Annual O&M	Total Nitrogen (TN) Reduction		Total Phosphorus (TP) Reduction	
				(\$)	(\$)	(pounds / year)	(\$/pound)	(pounds / year)	(\$/pound)
Utilities	Orchid Isles Estates Subdivision	Septic to Sewer 63 homes	C	\$1,345,995	NA	2428.71	\$554	NA	NA
Utilities	Kanawah Acres	Septic to Sewer 12 homes	C	\$485,688	NA	164.70	\$2,949	NA	NA
Utilities	Verona Estates Subdivision	Septic to Sewer 07 homes	C	\$199,287	NA	105.88	\$1,882	NA	NA
Utilities	Indian River Heights Units 1-9	Septic to Sewer 772 homes	C	\$10,492,885	NA	5759.18	\$1,822	NA	NA
Utilities	Diana Park Subdivision	Septic to Sewer 21 homes	C	\$599,085	NA	587.62	\$1,020	NA	NA
Utilities	Dales Landing Subdivision	Septic to Sewer 07 homes	C	\$247,302	NA	169.33	\$1,460	NA	NA
Utilities	Stevens Park Unit 1&2	Septic to Sewer 303 homes	C	\$4,582,060	NA	1657.82	\$2,764	NA	NA
Utilities	Pine Tree Park Units 1-4	Septic to Sewer 488 homes	C	\$7,136,717	NA	6221.58	\$1,147	NA	NA
Utilities	Little Portion Subdivision Replat OF	Septic to Sewer 21 homes	C	\$582,324	NA	201.17	\$2,895	NA	NA
Utilities	Sebastian Highlands Unit 01	Septic to Sewer 754 homes	C	\$9,552,456	NA	17256.07	\$554	NA	NA
Utilities	Sebastian Highlands Unit 04	Septic to Sewer 432 homes	C	\$5,473,025	NA	10018.99	\$546	NA	NA
Utilities	Winter Grove Subdivision	Septic to Sewer 25 homes	C	\$709,615	NA	632.10	\$1,123	NA	NA
Utilities	Tropic Colony Subdivision	Septic to Sewer 145 homes	C	\$3,065,568	NA	1114.80	\$2,750	NA	NA
Utilities	Halleluiah Acres	Septic to Sewer 06 homes	C	\$306,376	NA	231.60	\$1,323	NA	NA
Utilities	Sebastian Highlands Unit 13	Septic to Sewer 574 homes	C	\$8,107,515	NA	5988.17	\$1,354	NA	NA
Utilities	Sebastian Highlands Unit 02	Septic to Sewer 1052 homes	C	\$13,327,830	NA	17845.33	\$747	NA	NA
Utilities	Sebastian Highlands Unit 03	Septic to Sewer 155 homes	C	\$1,963,701	NA	4569.76	\$430	NA	NA
Utilities	Sebastian Highlands Unit 02 Replat pg 2	Septic to Sewer 66 homes	C	\$836,157	NA	1268.19	\$659	NA	NA
Utilities	Sebastian Highlands Unit 02 Replat pg3	Septic to Sewer 129 homes	C	\$1,634,306	NA	3319.68	\$492	NA	NA
Utilities	Sebastian Highlands Unit 02 Replat pg 4	Septic to Sewer 56 homes	C	\$709,466	NA	893.08	\$794	NA	NA
Utilities	Heritage Trace at Hobart	Septic to Sewer 07 homes	C	\$209,629	NA	TBD	TBD	NA	NA
Utilities	Central WWTF Nutrient Reduction (Permit No. FLA010431)	Nitrogen and phosphorus reducing project in effluent which goes to the County's Reuse Program.	C	\$300,000	TBD	5673.00	\$53	1871.00	\$160
Utilities	West WWTF Nutrient Reduction (Permit No. FL0041637)	Nitrogen and phosphorus reducing project in effluent which goes to the County's Reuse Program.	C	\$300,000	\$300,000	19239.00	\$16	3106.00	\$97

Septic to Sewer projects identified in the Utility Department's Septic to Sewer Conversion Evaluation (2017) and are subject to change based on updated model evaluations.