



Orange County Parks and Recreation Impact Fee Update Study

FINAL REPORT

June 7, 2017





Prepared for:

Orange County 4801 West Colonial Drive Orlando, FL 32808 ph (407) 836-6200

Prepared by:

Tindale Oliver 1000 N. Ashley Dr., #400 Tampa, Florida, 33602 ph (813) 224-8862 fax (813) 226-2106 E-mail: nkamp@tindaleoliver.com 363035-00.16

Orange County

Parks and Recreation Impact Fee Update Study Table of Contents

Executive Summary	ES-1
Introduction and Methodology	1
Inventory	4
Population and Service Area	9
Level of Service	
Cost Component	10
Credit Component	15
Net Parks and Recreation Impact Cost	17
Calculated Parks and Recreation Impact Fee Schedule	18
Parks and Recreation Impact Fee Schedule Comparison	18
Future Revenue Estimates	21
Indexing	22

APPENDICES

APPENDIX A:	Population Analysis - Supplemental Information
APPENDIX B:	Land Value Analysis - Supplemental Information

Executive Summary

Parks and recreation impact fees are used to fund acquisition and expansion of parks and recreation service-related capital assets required to address the additional parks and recreation service demand created by new growth. Orange County implemented a parks and recreation facilities impact fee in 2006 and last updated the impact fee schedule in 2011. Per the requirements of the impact fee ordinance, the County retained Tindale Oliver (TO), in association with Laura Turner Planning Services, to update the impact fee to reflect most recent and localized data.

The methodology used to update Orange County's impact fee program is a consumptionbased impact fee methodology, which has also been used to calculate the County's adopted parks and recreation impact fees as well as other impact fees throughout Florida. A consumption-based impact fee charges new development based upon the burden placed on services from each land use (demand). The demand component is measured in terms of population per unit of land use. A consumption-based impact fee is intended to charge new growth the proportionate share of the cost of providing additional infrastructure available for use by new growth. In addition, per the requirements of case law, a credit is subtracted from total cost to account for contributions of new development toward any capacity expansion projects through other revenue sources.

Consistent with the County's adopted impact fee methodology, the primary steps involved in the update of the parks and recreation impact fee included the following:

- Review of the inventory and establishment of the achieved level of service compared to the adopted LOS standard;
- Estimation of the current value of the park land and facilities;
- Review of funding sources used for parks and recreation facility expansion projects;
- Calculation of the demand component; and
- Calculation of the updated parks and recreation impact fee.

Table ES-1 provides a comparison of the calculated fees to the County's current adopted fees. As part of this study, a new land use is added to the fee schedule to reflect the lower impact of the Retirement/Age Restricted housing on parks and recreational facility infrastructure needs.

Land Use	Calculated Impact Fee ⁽¹⁾	Adopted Impact Fee ⁽²⁾	% Change
Single Family (detached)	\$1,544	\$972	59%
Accessory Single Family	\$1,044	\$702	49%
Multi-Family	\$1,044	\$702	49%
Mobile Homes	\$1,150	\$728	58%
Retirement Housing/Age Restricted	\$827	\$702	18%

Table ES-1Calculated Parks and Recreation Impact Fee Schedule

1) Source: Table 10

2) Source: Orange County Impact Fee Administration; Community, Environmental & Development Services Department. The retirement housing/age restricted land use is compared to the multi- family land use in the adopted fee schedule as a proxy. Adopted impact fees shown are rounded to the nearest ones place.

Introduction and Methodology

Parks and recreation impact fees are used to fund acquisition and expansion of parks and recreation service-related capital assets required to address the additional parks and recreation service demand created by new growth. Orange County implemented a parks and recreation impact fee in 2006 and last updated the impact fees in 2011 (with final report dated January 2012). Per the requirements of the impact fee ordinance, the County retained Tindale Oliver (TO), in association with Laura Turner Planning Services, to update the impact fee to reflect most recent and localized data.

Methodology

The methodology used to update Orange County's impact fee program is a consumptionbased impact fee methodology, which is used throughout Florida. This methodology was also used in preparing the current adopted impact fees. A consumption-based impact fee charges new development based upon the burden placed on services from each land use (demand). The demand component is measured in terms of population per unit. A consumption-based impact fee charges new growth the proportionate share of the cost of providing additional infrastructure available for use by new growth. In addition, per legal requirements, a credit is subtracted from the total cost to account for the value of future tax contributions of the new development toward any capacity expansion projects through other revenue sources. Contributions used to calculate the credit component include estimates of future non-impact fee revenues generated by the new development that will be used toward capacity expansion projects. In other words, case law requires that the new development should not be charged twice for the same service.

Legal Standard Overview

In Florida, legal requirements related to impact fees have primarily been established through case law since the 1980's. Generally speaking, impact fees must comply with the "dual rational nexus" test, which requires that they:

- Be supported by a study demonstrating that the fees are proportionate in amount to the need created by new development paying the fee; and
- Be spent in a manner that directs a proportionate benefit to new development, typically accomplished through establishment of benefit districts when needed and a

list of capacity-adding projects included in the County's Capital Improvement Plan, Capital Improvement Element, or another planning document/Master Plan.

In 2006, the Florida legislature passed the "Florida Impact Fee Act," which recognized impact fees as "an outgrowth of home rule power of a local government to provide certain services within its jurisdiction." § 163.31801(2), Fla. Stat. The statute – concerned with mostly procedural and methodological limitations – did not expressly allow or disallow any particular public facility type from being funded with impact fees. The Act did specify procedural and methodological prerequisites, such as the requirement of the fee being based on most recent and localized data, a 90-day requirement for fee changes, and other similar requirements, most of which were common to the practice already.

More recent legislation further affected the impact fee framework in Florida, including the following:

- HB 227 in 2009: The Florida legislation statutorily clarified that in any action challenging an impact fee, the government has the burden of proving by a preponderance of the evidence that the imposition or amount of the fee meets the requirements of state legal precedent or the Impact Fee Act and that the court may not use a deferential standard.
- **SB 360 in 2009:** Allowed fees to be decreased without the 90-day notice period required to increase the fees and purported to change the standard of legal review associated with impact fees. SB 360 also required the Florida Department of Community Affairs (now the Department of Economic Opportunity) and Florida Department of Transportation (FDOT) to conduct studies on "mobility fees," which were completed in 2010.
- **HB 7207 in 2011:** Required a dollar-for-dollar credit, for purposes of concurrency compliance, for impact fees paid and other concurrency mitigation required. The payment must be reduced by the percentage share the project's traffic represents of the added capacity of the selected improvement (up to a maximum of 20% or to an amount specified by ordinance, whichever results in a higher credit). The courts have not yet taken up the issue of whether a local government may still charge an impact/mobility fee in lieu of proportionate share if the impact/mobility fee is higher than the calculated proportionate share contribution.
- **HB 319 in 2013:** Applied mostly to concurrency management authorities, but also encouraged local governments to adopt alternative mobility systems using a series of tools identified in section 3180(5)(f), Florida Statutes.

The following paragraphs provide further detail on the generally applicable legal standards applicable here.

Impact Fee Definition

- An impact fee is a one-time capital charge levied against new development.
- An impact fee is designed to cover the portion of the capital costs of infrastructure capacity consumed by new development.
- The principle purpose of an impact fee is to assist in funding the implementation of projects identified in the Capital Improvements Element (CIE) and other capital improvement programs for the respective facility/service categories.

Impact Fee vs. Tax

- An impact fee is generally regarded as a regulatory function established as a condition for improving property and is not established for the primary purpose of generating revenue, as are taxes.
- Impact fee expenditures must convey a proportional benefit to the fee payer. This is accomplished through the establishment of benefit districts, where fees collected in a benefit district are spent in the same benefit district.
- An impact fee must be tied to a proportional need for new infrastructure capacity created by new development.

This technical report has been prepared to support legal compliance with existing case law and statutory requirements. The technical report also documents the methodology components, including an evaluation of the inventory, service area, level of service (LOS), cost, credit, and demand components. Information supporting this analysis was obtained from the County and other sources, as indicated.

It should be noted that although this study establishes a technically calculated fee, the Board of County Commission has the policy option of adopting the fee at a reduced level or phase it in over time.

Inventory

Orange County parks that are included in the impact fee calculations are classified into four different types, including community, district, regional and specialty parks. The following provides the definitions of the various park types included in the impact fee update study.

- Community Community parks usually range in size from 20 to 149 acres with a typical park size of 50 acres. Because of the types of amenities and activities offered in these parks, the service area of this park type ranges from a 3-mile radius to the entire county. Community parks can be accessed by walking or bike riding, but more often by car. These parks are usually located near major collector streets or arterial roads to promote accessibility. Community parks are designed to serve the needs of several neighborhoods. This park type typically includes facilities such as sportsfields, playgrounds, large picnic pavilions, splash pads, gyms or recreation centers. Natural areas (resource-based) are also included for walking, jogging, picnicking, and other passive recreational activities.
- District District parks typically range in size from 150 to 500 acres. This type of park usually has a countywide service area. Access to these parks is most often by car. These parks are usually classified as resource-based and are usually located contiguous to or encompassing natural resources. They offer playgrounds, play fields, and family recreation centers. District parks, when located near urban or population centers, can provide activity-based recreation facilities such as sports complexes.
- **Regional** Regional parks are usually 500 acres or more and tend to have a multi-county service area. Access to these parks is most often by car. These parks are usually resource-based, located in areas of diverse or unique natural resources, such as lakes, streams, marshes, flora, fauna, or topography. Activity-based facilities may be located at Regional parks as long as the activity does not negatively impact the natural resources.
- **Special Facilities** These parks are designed for predominantly one activity or use, such as a multi-use trail, golf course, equestrian complex, sports complex, indoor recreation center or historic site. Because their use varies, standards cannot be quantified for special facilities. The size of the special facilities is variable, depending on the particular use. These facilities usually serve the entire county.

Orange County Comprehensive Policy Plan classifies and measures recreation sites as either activity-based, resource-based, a combination of the two or habitat parkland to establish the LOS for concurrency purposes. It is noted that park types (i.e., pocket parks, neighborhood parks, community parks, district parks, regional parks and special facilities) can contain activity-based, resource-based and habitat parklands. These terms are further defined as follows.

- Activity-based parkland consists of predominately user-oriented facilities that are located within or adjacent to population centers. User-based activities may include tennis, golf, baseball/softball, football/soccer, shuffleboard, basketball, volleyball, paved trails, playgrounds, indoor recreation and swimming/leisure pools/water recreation.
- Resource-based parkland provides access to natural and historic resources. Recreation
 activities are considered to be passive-in-nature and include historic tours, interpretation,
 nature observation, fishing, lake swimming, camping, and picnicking. Even though some
 of these activities may have man-made facilities such as nature trails, boat ramps, picnic
 tables, and campground hookups, these are secondary to natural resources required for
 each activity.
- Habitat parkland includes park and recreation facilities that provide habitat and wildlife areas that are unlikely to be developed for more intense uses. In addition, because in most cases habitat land is not accessible to the public, it is excluded from the inventory and the impact fee calculations.

For impact fee calculation purposes, the study includes only the community, district, regional, and specialty parks, which have a wide service area, and excludes pocket and neighborhood parks, which tend to serve the immediate area. In addition, parks located within municipal limits are not included in the inventory since the fee is collected only in the unincorporated area. Finally, as mentioned previously, habitat land acreage is also excluded. **Table 1** summarizes the following information for the parks included in this analysis.

- Facility name
- Park type (community, district, regional, special facility)
- Number of acres
- Activity-based or resource-based parkland acreage

• Type and number of amenities (boat ramps, playgrounds, picnic facilities, restrooms, tennis courts, ball fields, etc.)

Table 1 provides an inventory of all parks and recreation facilities that are owned by Orange County and included in the impact fee analysis, along with the facilities that are available at each park location. The parks and recreation inventory used as the basis for the impact fee analysis includes 51 parks, including 23 community parks, 19 specialty parks, three regional parks, and six district parks.

Table 1Parks and Recreation Facility Inventory (1)

								Boardwalk			Classrooms/	Clubhouse/	Concession										Multi
Facility	Park Type	Activity Based	Resource	Total Acreage	Baseball	Basketball Court	Batting	(total linear	Boat Ramp	Camping Total	Meeting Rooms	Community Center	Stands (full	Dog Park	Equestrian Trail		Fitness	Frisbee/Disc Golf	Golf Facility	Historical	Hockey	Horseshoe Pits	Purnose
, addity	r and r ype	Acres	Based Acres	rotarrage	Field Total	(goals)	Cages	feet per site)		camping rotai	(sf)	(sf)	service)	Dog I am	(linear miles)		Center	(# of holes)		Facilities	Rink (Lit)		Field
								recepci site,			(51)	(51)	service,										
Barber Park	С	68.30	13.2	81.50		3								2							1		3
Barnett Park	С	130.00	28.00	158.00		6	-	416	2		3,104			2		1	1	36	1			4	1
Bear Creek Park	C	37.00	7.00	44.00	2	-	2	250			1,008		1			1							
Bithlo Park	С	29.90	8.10	38.00	6	2	4				1,024	16,500	1	-									1
Blanchard Park	С	43.00	41.00	84.00		4						-		-									3
Cypress Grove Park	C	60.00	20.00	80.00		2					2,315												3
Deputy Brandon Coates Park	C	27.20	0.00	27.20																			
Downey Park	C	50.00	0.00	50.00	4	2	3		1			-	1	2									
Dr. P. Phillips Park	C	23.00	20.00	43.00	1	2								2									
East Orange Neighborhood Park	C	20.00	0.00	20.00		2																	
Econ Soccer Complex	С	31.00	0.00	31.00	6		-																
George Bailey Park	C	20.00	0.00	20.00	6		5				2.100						1						
Goldenrod Park & Trailhead (CWT)	с	6.00 19.00	0.00	6.00 19.00		4					2,100			2									
Meadow Woods Park	C		0.00			6								2			1						
Orlo Vista Park	C	28.00	0.00	28.00		5			1		2,342												1
R.D. Keene Park	C C	25.00 6.00	27.00	52.00		2			1														1
Roosevelt Nichols Park	-		0.00	6.00							1					4							1
Shadow Bay Park Silver Star Park	C C	26.20 25.00	84.80 0.00	111.00 25.00		4					2,100	+				1	1						
				62.00							2,100 8,476	3 000					-						
South Econ Park/Renaissance Sr. Center	C C	51.00	11.00		6	2	2				8,470	3,000	1				1						
South Orange Youth Complex West Beach Park	c	28.00 20.30	0.00	28.00 20.30	O		2						1										
	c	37.00	10.00	47.00										2									
West Orange Soccer Complex East Orange District Park	<u>ر</u>	37.00	10.00	47.00										2									
(Christmas Creek Preserve)	D	0.00	243.00	243.00																			
Horizon West Park	D	0.00	219.00	219.00											5.000								
Kelly Park	D	98.00	219.00	390.00				2,790		26	1,300		1		3.553							3	
Magnolia Park	D	7.10	48.90	56.00		2		2,790	1	18	1,500		1		5.555							6	
Tibet-Butler Nature Park	D	7.70	431.30	439.00		2		1,151	1	10	900											0	
Trimble Park	D	40.00	31.00	71.00				800	1	30	300					1						2	
Hal Scott Preserve	R	0.00	8.427.00	8,427.00				800	1	3					19.000	1						2	
Moss Park	R	100.00	1,451.00	1,551.00					2	60					15.000							4	
Split Oak Forest	R	0.00	1,134.00	1,134.00					2	00										1		-	
Apopka Station (WOT)	SP	1.00	0.00	1.00							750									1			
Apopka-Vineland Outpost	SP	3.00	0.00	3.00							/50												
Avalon-Mailer Trailhead (Avalon Trail)	SP	0.66	0.00	0.66																			
Bywater Boat Ramp	SP	0.00	0.20	0.20					1														
Cady Way Trail	SP	43.00	0.00	43.00					*														
Clarcona Horse Park	SP	40.00	0.00	40.00						28			1										
Clarcona-Ocoee Connector Trail	SP	3.00	0.00	3.00									_										
Fern Creek Boat Ramp	SP	0.00	1.00	1.00					1														
Fort Christmas Historical Park	SP	95.60	47.10	142.70		2														14		2	1
Fort Gatlin Recreational Park	SP	7.70	0.00	7.70		4						230											1
Lake Apopka Loop Trail	SP	22.00	0.00	22.00																			
Little Econ Greenway	SP	49.00	396.00	445.00																			
Powell Cemetery	SP	0.00	0.50	0.50						1													
Randolph Street Boat Ramp	SP	0.00	0.50	0.50					1														
Rolling Hills Park	SP	9.60	0.00	9.60	4								1										
SR 50 Boat Ramp	SP	0.00	1.00	1.00					1														
Taft Ball Field	SP	2.00	0.00	2.00	1	2																	
West Orange Trail	SP	126.00	0.00	126.00											10.000								
Woodsmere Boat Ramp	SP	0.00	1.00	1.00					1														
Total	51	1,466.26	12,994.60	14,460.86	30	60	16	5,407	13	165	27,519	19,730	7	12	37.553	4	5	36	1	15	1	21	15
							_																
								Roordwalk			Classrooms	Clubbourg	Concession										Multi
Summary of Darks and Degraation Facilities	# of Dorler	Activity Based	Resource	Total Across	Baseball	Basketball Court	Batting	Boardwalk (total linear	Boat Ramp	Comping Total	Classrooms/	Clubhouse/	Concession	Dog Dork	Equestrian Trail		Fitness	Frisbee/Disc Golf	Golf Facility	Historical	Hockey	lorseshoe Pits	
Summary of Parks and Recreation Facilities	# of Parks	Acres	Based Acres	Total Acreage	Field Total	(goals)	Cages	(total linear	воат катр	Camping Total	Meeting Rooms	Community Center	Stands (full	Dog Park	(linear miles)		Center	(# of holes)	Gon Facility	Facilities	Rink (Lit)	iorsesnoe Pits	Purpose Field
								feet per site)			(sf)	(sf)	service)										Field
Community Parks	23	810.90	270.10	1,081.00	25	50	16	666	4	0	24,569	19,500	4	12	0.000	3	5	36	1	0	1	4	13
Specialty Parks	19	402.56	447.30	849.86	5	8	0	0	5	28	750	230	2	0	10.000	0	0	0	0	14	0	2	2
Regional Parks	3	100.00	11,012.00	11,112.00	0	0	0	0	2	63	0	0	0	0	19.000	0	0	0	0	1	0	4	0
District Parks	6	152.80	1,265.20	1,418.00	<u>0</u>	2	0	4,741	2	74	2,200	<u>0</u>	1	<u>0</u>	8.553	1	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	<u>11</u>	<u>0</u>
Total	51	1,466.26	12,994.60	14,460.86	30	60	16	5,407	13	165	27,519	19,730	7	12	37.553	4	5	36	1	15	1	21	15

Table 1 (Continued)Parks and Recreation Facility Inventory (1)

								10		u Recrea		active	invent	.ory											
					Network	Network	Dissis Deviliers	Picnic	Picnic	Picnic		Discourse d/	Recreation											Turail Danual	
#		Activity Based	Resource	Total Acreage	Nature Center/Study	Nature Trail/Hiking	Picnic Pavilion	Picnic Pavilion non-	Pavilion, non	- Picnic - Pavilion non-	Playground	Tot lot	Center /	Restroom	Restroom	Restrooms	Shuffleboard		Soccer	Softball Field	Sprayground/	Swimming 1	Fennis Court	Irall-Paved	Volleyball
Facility	Park Type	Acres	Based Acres	Total Acreage	eenter/oraay	Trail/Hiking	(rental only-		rental	i aviiioii, iioii	(ages 5-12)		Gymnasium	(women)	(men)	(unisex/family)	Court	Skate Park	Field Total	Total	Splash Park	Pool	Total	(linear	Court Total
					(square feet)	(miles)	med. or lg.)	rental (large)	(medium)	rental (small)	,	(ages 2-5)	(sf)											mile)	
Barber Park	с	68.30	13.2	81.50			1			1	1	1	()	1	1				3					0.750	1
Barnett Park	c	130.00	28.00	158.00			4			-	5	5	24,400	6	6	1			5	2	1		2	0.750	3
											-	5			-	1					1		2		
Bear Creek Park	C	37.00	7.00	44.00			1				2		1,200	2	2					2	1				1
Bithlo Park	С	29.90	8.10	38.00			1			-	1	2		2	2		-	-			1				1
Blanchard Park	С	43.00	41.00	84.00			2			2	2			1	1				1				4		1
Cypress Grove Park	с	60.00	20.00	80.00			1				1	1		4	4	3								0.800	2
Deputy Brandon Coates Park	С	27.20	0.00	27.20														1							
Downey Park	С	50.00	0.00	50.00			2				2	2		3	3					1	1				2
Dr. P. Phillips Park	С	23.00	20.00	43.00		0.600	6				1	1		1	1				2		1			1.300	2
East Orange Neighborhood Park	С	20.00	0.00	20.00					1	2	1			1	1					1					
Econ Soccer Complex	С	31.00	0.00	31.00						2	1			1	1				2						
George Bailey Park	C	20.00	0.00	20.00			1			3	1			1	1										
Goldenrod Park & Trailhead (CWT)	c	6.00	0.00	6.00			-		2		1		24,400	3	3	1							2		
Meadow Woods Park	c	19.00	0.00	19.00					2	3	1	1	24,400	3	3	1							-		1
						1 000	2		2	1	1	1	24,400	3	3	1	2						2		
Orlo Vista Park R.D. Keene Park	C C	28.00 25.00	0.00 27.00	28.00 52.00		1.000		1	l	2	1			3	3	3	4		2		1		2		1
	-								-						-	3			2						
Roosevelt Nichols Park	С	6.00	0.00	6.00				-	2	- · · ·	2	1		-	-					1			17	0.07-	
Shadow Bay Park	С	26.20	84.80	111.00		1.621	1	2		1	1	1		2	2					1			17	2.379	
Silver Star Park	С	25.00	0.00	25.00						2	1	1	24,400	2	2	1									
South Econ Park/Renaissance Sr. Center	С	51.00	11.00	62.00						1	1	1		3	3	1									
South Orange Youth Complex	С	28.00	0.00	28.00							2									2					
West Beach Park	С	20.30	0.00	20.30					1	8	1	1		1	1										2
West Orange Soccer Complex	С	37.00	10.00	47.00						5	1			2	2				4						
East Orange District Park	_																								
(Christmas Creek Preserve)	D	0.00	243.00	243.00		3.000																			
Horizon West Park	D	0.00	219.00	219.00																					
Kelly Park	D	98.00	292.00	390.00	1,300	1.245	4		1	+	2	1		4	4										2
Magnolia Park	D	7.10	48.90	56.00	1,500	0.439	4				5	-		5	5										2
	D	7.10	48.90	439.00	9,600	3.600	4		-	+	5			1	1										
Tibet-Butler Nature Park	D	40.00		71.00	9,600	0.310			3		-	2		-	3										
Trimble Park			31.00				4		3	-	1	2		3	3										
Hal Scott Preserve	R	0.00	8,427.00	8,427.00		19.000	_							_	_										
Moss Park	R	100.00	1,451.00	1,551.00		1.000	5	1		1	2	1		7	7										2
Split Oak Forest	R	0.00	1,134.00	1,134.00		10.000																			
Apopka Station (WOT)	SP	1.00	0.00	1.00					1		1	1		1	1										
Apopka-Vineland Outpost	SP	3.00	0.00	3.00					1		1														
Avalon-Mailer Trailhead (Avalon Trail)	SP	0.66	0.00	0.66						1				1	1										
Bywater Boat Ramp	SP	0.00	0.20	0.20																					
Cady Way Trail	SP	43.00	0.00	43.00						3														6.200	
Clarcona Horse Park	SP	40.00	0.00	40.00										2	2										
Clarcona-Ocoee Connector Trail	SP	3.00	0.00	3.00																					
Fern Creek Boat Ramp	SP	0.00	1.00	1.00																					
Fort Christmas Historical Park	SP	95.60	47.10	142.70			3				1	1		1	1	2				1			1		
Fort Gatlin Recreational Park	SP	7.70	0.00	7.70			3		1	3	1	-	3,459	1	1	3				-		118,000	10	0.250	
Lake Apopka Loop Trail	SP	22.00	0.00	22.00		0.700			-	+ <u> </u>	-		5,455		-							110,000	10	3.2.50	
Little Econ Greenway	SP	49.00	396.00	445.00		0.700			1	2						1	1	1						8.000	
	SP SP			0.50				1	l						1	1					+			0.000	
Powell Cemetery		0.00	0.50							+															
Randolph Street Boat Ramp	SP	0.00	0.50	0.50											<u> </u>						-				
Rolling Hills Park	SP	9.60	0.00	9.60					l	+		1		1	1					1					
SR 50 Boat Ramp	SP	0.00	1.00	1.00				I		1	l				l	l					I				
Taft Ball Field	SP	2.00	0.00	2.00						1	1									1					
West Orange Trail	SP	126.00	0.00	126.00					1	1														22.000	
Woodsmere Boat Ramp	SP	0.00	1.00	1.00																					
Total	51	1,466.26	12,994.60	14,460.86	10,900	42.515	42	3	15	46	46	25	102,259	69	69	16	2	1	14	13	4	118,000	38	41.679	23
									Picnic				Recreation												
		Activity Based	Resource		Nature	Nature	Picnic Pavilion	Picnic	Pavilion. non	Picnic	Playground	Playground/	Center /	Restroom	Restroom	Restrooms	Shuffleboard		Soccer	Softball Field	Spravground/	Swimming	Tennis Court	Trail-Paved	Vollevball
Summary of Parks and Recreation Facilities	# of Parks	Acres	Based Acres	Total Acreage	Center/Study	Trail/Hiking	(rental only-	Pavilion, non-	rental	Pavilion, non-	(ages 5-12)	Tot lot	Gymnasium	(women)	(men)	(unisex/family)	Court	Skate Park	Field Total	Total	Splash Park	Pool	Total	(linear	Court Total
					(square feet)	(miles)	med. or lg.)	rental (large)	(medium)	rental (small)	((ages 2-5)	(sf)		(mile)	
Community Parks	23	810.90	270.10	1,081.00	0	3.221	22	2	(metham)	33	31	18	98,800	42	42	11	2	1	14	10	4	0	27	5.229	17
		402.56	270.10 447 30	849.86	0	0.700	3	0	8		5	18	3,459	42	42	5	0	0	0	3	4	118,000		36.450	0
Specialty Parks	19		117.50		-		÷			12	-	•			,	÷	-	-	-	-	-		11		
Regional Parks	3	100.00	11,012.00	11,112.00	0	30.000	5	1	0	1	2	1	0	7	7	0	0	0	0	0	0	0	0	0.000	2
District Parks	6	<u>152.80</u>	<u>1,265.20</u>	<u>1,418.00</u>	<u>10,900</u>	<u>8.594</u>	12	0	3	<u><u> </u></u>	8	3	0	<u>13</u>	<u>13</u>	0	0	0	0	0	0	0	0	0.000	4
Total	51	1,466.26	12,994.60	14,460.86	10,900	42.515	42	3	15	46	46	25	102,259	69	69	16	2	1	14	13	4	118,000	38	41.679	23
1) Source: Orange Count	by Darke	and Deer	antion																						

1) Source: Orange County Parks and Recreation

Population and Service Area

The Orange County parks and recreation service area includes the unincorporated County. As such, the current 2017 population for the unincorporated county is used to develop the parks acreage level of service. Consistent with the County's Comprehensive Plan, population figures in this report include permanent residents only and uses BEBR mid-level projections. Appendix A, Table A-1 provides the population trends and projections from 2000 through 2045 for use in the parks and recreation impact fee update study.

Level of Service

Table 2 presents the calculation of the current achieved level of service (LOS) for each park land type included in the inventory, as well as the County's adopted LOS standards included in the County's Comprehensive Plan. Orange County's 2017 achieved LOS for activity-based parks is 1.7 acres per 1,000 residents and the LOS for resource-based parks is 15.5 acres per 1,000 residents, for a total of 17.2 acres per 1,000 residents. The current achieved LOS represents the investment the community has made into parks and recreation facilities while the adopted LOS standard indicates the intended LOS going forward. In the case of Orange County, the adopted LOS standards are lower than the achieved LOS. Given that the County does not intend to increase the adopted LOS standards, the standard of 7.5 acres per 1,000 residents is used for the impact fee calculations, resulting in a conservative fee.

	Unincorporated County						
Park Land Category	Inventory	Level of	Adopted				
	(Acres) ⁽¹⁾	Service ⁽²⁾	LOSS ⁽³⁾				
Activity Based Acres	1,466.26	1.7	1.5				
Resource Based Acres	<u>12,994.60</u>	<u>15.5</u>	<u>6.0</u>				
Total	14,460.86	17.2	7.5				
2017 Unincorporated County Population ⁽⁴⁾	839,114						

Table 2Current Level of Service & Adopted Level of Service Standard

1) Source: Table 1

2) Acres divided by 2017 unincorporated county population (Item 4) multiplied by 1,000

3) Source: Orange County Comprehensive Plan 2010-2030, Recreation and Open Space Elements

4) Source: Appendix A, Table A-1

Cost Component

The total cost per resident for parks and recreation facilities consists of two components: the cost of purchasing and developing land for each park and the cost of facilities and equipment located at each park.

Land Cost

To account for recent fluctuations in land values statewide, an in-depth analysis of the land values was conducted. This analysis evaluated recent purchase information provided by Orange County staff, an analysis of recent sales and value of vacant land similar in size and location to Orange County's parks, and change in vacant land values since the last technical study, obtained from the Orange County Property Appraiser. More specifically, the following analysis was conducted:

- A review of County's park land purchases over the past five years;
- A review of the current value of existing park land based on information included in the Orange County Property Appraiser database;
- A review of vacant land sales between 2013 and 2016;
- A review of the current appraised value of vacant land of similar size, obtained from the Orange County Property Appraiser database; and
- A review of annual changes in just market value of vacant land since the previous study which was obtained from the Florida Department of Revenue.

Based on this analysis and information, a unit cost of \$60,000 per acre is found to be a reasonable estimate for activity-based parks and \$30,000 per acre for resource-based parks. Similarly, based on recently developed parks, site preparation cost is estimated at \$25,000 per acre for activity-based parks. As shown in **Table 3**, the impact cost per resident for park land amounts to \$308. A more detailed explanation of the land value and site preparation cost estimates is included in Appendix B.

Park Land Category	Land Cost per Acre ⁽¹⁾	Site Development Cost per Acre ⁽²⁾	Total Land Cost per Acre ⁽³⁾	Adopted LOS Standard ⁽⁴⁾	Impact Cost per Resident ⁽⁵⁾					
Activity Based Parks	\$60,000	\$25,000	\$85,000	1.5	\$127.50					
Resource Based Parks	\$30,000	\$0	\$30,000	6.0	<u>\$180.00</u>					
				Total:	\$307.50					

Table 3 Land Impact Cost per Resident

1) Based on an evaluation of the current value of the park land, recent purchases, value of vacant parcels of appropriate size and zoning, and other information. See Appendix B for more information.

2) Based on recent projects

3) Sum of land cost (Item 1) and site development cost (Item 2)

4) Source: Table 2

5) Cost per acre (Item 3) multiplied by LOS standard (Item 4) divided by 1,000

Facility and Equipment Cost

The next step in calculating the total cost for parks and recreation services in Orange County involves estimating the current value of the facility and equipment cost of the total inventory.

As presented in **Tables 4 and 5**, the total park recreational and ancillary facilities and equipment value is estimated at \$251 million, including facilities, equipment, and architecture and engineering costs. Table 4 primarily includes recreational amenities while Table 5 includes the support/ancillary facilities.

When available, the current value for the parks facilities and equipment is estimated based on recent bids or actual construction costs paid by the County for its park facilities. Available bids indicated significant increase in unit costs (45 percent to 230 percent) compared to the 2011 study estimates. These reflect the recent cost increase experienced in Central Florida due to high construction activity as well as new pollution insurance requirement by Orange County, which results in fewer eligible vendors and higher costs. When recent bid/purchase information was not available, unit costs from the County's insurance reports and indexed unit costs from the previous 2011 study were used. Insurance values are considered to be a conservative estimate since not all components of a structure are insured. Indexing results in an increase of 10 percent compared to 2011 figures. Use of insurance values and indexing represents a conservative approach since recent bids suggest, on average, doubling of unit values compared to the 2011 figures. Resulting estimates were also compared to cost data for similar facilities from other jurisdictions.

	creation Facilit	2016		Total Facility
Facility Type	Unit	Inventory ⁽¹⁾	Unit Cost ⁽²⁾	Cost ⁽³⁾
Decement Fields	field		¢270.000	
Baseball Fields	field	30	\$279,000	\$8,370,000
Basketball Court	goal	60	\$35,000	\$2,100,000
Batting Cages	cage	16	\$17,000	\$272,000
Boardwalk	linear feet	5,407	\$70	\$378,490
Boat Ramp/ Dock	ramp	13	\$160,000	\$2,080,000
Camping	site	165	\$14,500	\$2,392,500
Classrooms/ Meeting Rooms	square foot	27,519	\$279	\$7,677,801
Clubhouse/Community Center	square foot	19,730	\$175	\$3,452,750
Concession Stands	stand	7	\$325,000	\$2,275,000
Dog Park	park	12	\$70,000	\$840,000
Equestrian Trail	mile of trail	37.553	\$39,000	\$1,464,567
Exercise Course	course	4	\$45,000	\$180,000
Fitness Center	center	5	\$600,000	\$3,000,000
Frisbee/Disc Golf	course	36	\$4,000	\$144,000
Golf Facility	facility	1	\$178,500	\$178,500
Historical Facilities	facility	15	\$170,000	\$2,550,000
Hockey Rink	rink	1	\$780,500	\$780,500
Horseshoe Pits	pit	21	\$1,200	\$25,200
Multi Purpose Field	field	15	\$106,000	\$1,590,000
Nature Center/Study	square foot	10,900	\$110	\$1,199,000
Nature Trail/ Hiking	mile of trail	42.515	\$39,000	\$1,658,085
Picnic Pavilions	pavilion	106	\$42,000	\$4,452,000
Playground (ages 5-12)	playground	46	\$160,000	\$7,360,000
Playground/Tot lot (ages 2-5)	playground	25	\$65,000	\$1,625,000
Recreational Center/Gymnasium	square foot	102,259	\$200	\$20,451,800
Restrooms	restroom	85	\$250,000	\$21,250,000
Shuffleboard Court	court	2	\$6,000	\$12,000
Skate Park	park	1	\$225,000	\$225,000
Soccer Field	field	14	\$750,000	\$10,500,000
Softball Field	field	13	\$279,000	\$3,627,000
Sprayground/Splash Park	park	4	\$400,000	\$1,600,000

Table 4Parks and Recreation Facilities and Equipment Cost

Facility Type	Unit	2016 Inventory ⁽¹⁾	Unit Cost ⁽²⁾	Total Facility Cost ⁽³⁾					
Swimming Pool	pool	1	\$976,000	\$976,000					
Tennis Court	court	38	\$40,000	\$1,520,000					
Trail-Paved (linear mile)	mile of trail	41.679	\$1,500,000	\$62,518,500					
Volleyball Court	court	23	\$8,000	<u>\$184,000</u>					
Facilities and Equipment Value				\$178,909,693					
Architecture, Engineering, and Ins	\$17,890,969								
Total Facilities and Equipment Val	ue			\$196,800,662					

Table 4 (Continued)Parks and Recreation Facilities and Equipment Cost

1) Source: Table 1

2) Source: Orange County insurance reports, recent construction information both in Orange County and other communities, and indexed unit costs from the previous 2012 report

3) Unit cost (Item 2) multiplied by unit count (Item 1)

4) Facilities and equipment value multiplied by 10 percent, based on information from other jurisdictions and discussions with County staff

Parks and Recreation Ancinary Facility Cost									
Facility Type	Unit	2016 Inventory ⁽¹⁾	Unit Cost ⁽²⁾	Total Facility Cost ⁽³⁾					
Horse Barns	barn	13	\$49,100	\$638,300					
Maintenance/Operations Buildings	square foot	34,118	\$180	\$6,141,240					
Multi-use Trail Pedestrian Bridge	bridge	3	\$5,200,000	\$15,600,000					
Office/Administration Buildings	square foot	85,299	\$270	\$23,030,730					
Picnic Shelters	shelter	3	\$20,000	\$60,000					
Storage Facilities	square foot	9,804	\$24	\$235,296					
Tennis Pro Shop	shop	2	\$88,000	\$176,000					
Trailhead Buildings	building	4	\$463,000	\$1,852,000					
Walkway Pedestrian Bridge (Wood)	bridge	10	\$48,000	\$480,000					
Walkway Pedestrian Bridge (Metal Truss)	bridge	1	\$1,000,000	<u>\$1,000,000</u>					
Ancillary/Unique Facility Value		\$49,213,566							
Architecture, Engineering, and Inspection @		\$4,921,357							
Total Facilities and Equipment Value		\$54,134,923							

 Table 5

 Parks and Recreation Ancillary Facility Cost

1) Source: Orange County Parks and Recreation

2) Source: Orange County insurance reports, recent construction information both in Orange County and other communities, and indexed unit costs from the previous 2012 report

3) Unit cost (Item 2) multiplied by unit count (Item 1)

4) Facilities and equipment value multiplied by 10 percent, based on information from other jurisdictions and discussions with County staff

Table 6 provides a summary of all facility values as well as value per resident, which is estimated at \$299.

Table 6 Summary of Parks and Recreation Facilities and Equipment Cost

Facility Type	Total Facility Cost
Recreational Facilities and Equipment ⁽¹⁾	\$196,800,662
Ancillary/Support Facilities ⁽²⁾	<u>\$54,134,923</u>
Total Facility Value ⁽³⁾	\$250,935,585
Unincorporated County Population (2017) ⁽⁴⁾	839,114
Total Facility Cost per Resident ⁽⁵⁾	\$299.05

Source: Table 4
 Source: Table 5

Sum of recreational facilities (Item 1) and ancillary/support facilities (Item 2)

4) Source: Table 2

5) Total facility value (Item 3) divided by population (Item 4)

Total Impact Cost per Resident

The first section of **Table 7** identifies the total land cost as \$308 per resident. The second section of the table shows the total facility cost of \$299 per resident. The total impact cost per resident (third section of the table) amounts to \$607.

Table 7									
Total Impact Cost per Resident									
Calculation Step	Total Asset Value	Percent of Total Asset Value ⁽⁴⁾							
Land Cost per Resident ⁽¹⁾	\$307.50	51%							
Facility Cost per Resident ⁽²⁾	<u>\$299.05</u>	<u>49%</u>							
Total Cost per Resident ⁽³⁾	\$606.55	100%							

1) Source: Table 3

2) Source: Table 6

- Sum of land cost per resident (Item 1) and facility cost per resident (Item 2)
- 4) Distribution of total asset value per resident

Credit Component

To avoid overcharging new development for the capital cost of providing parks and recreation services, a review of the capital funding program for the parks and recreation program was completed. The purpose of this review is to determine future non-impact fee revenues that may be spent on parks and recreation capital facility expansion projects. The future revenue amounts were estimated based on a review of non-impact fee revenues generated by new development that have been used within the last five years and are programmed to fund over the next two years the expansion of capital facilities, land, and equipment related to the Orange County's parks and recreation program. This review indicated that the County uses a certain level of non-impact fee revenues for parks and recreation capital facility expansion projects in terms of cash payments.

Capital Expansion Expenditures Credit

Between FY 2012 and FY 2018, in addition to impact fees, the County has used a combination of ad valorem tax revenue, grant revenue, and other general revenues to fund capital expansion projects. To calculate the capital expansion expenditure per resident, the average annual capital expansion expenditures over the 7-year period is divided by the average population for the same period.

Over the 7-year period, Orange County's parks and recreation capacity expansion expenditures amount to a total of \$12.9 million, resulting in an average annual capital expansion expenditure of \$1.8 million. As presented in **Table 8**, the average annual capital expansion expenditure per resident, based on this 7-year period, is \$2.30.

Once the capital expansion credit per resident is calculated, a credit adjustment is needed for the portion of the capital expansion credit funded with ad valorem tax revenues, which is approximately 70 percent of cash funding. The adjustment accounts for the fact that new homes tend to pay higher property taxes per dwelling unit than older homes. This adjustment factor is estimated based on a comparison of the average taxable value of newer homes to that of all homes. As shown, the adjusted capital expansion credit per person amounts to \$2.94 per resident.

	Ta	able 8	
Capital	Expansion	Credit per	Resident (1)

Project Description	Funding Source	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Countywide Parks Projects	Ad Valorem/Other	\$0	\$0	\$0	\$0	\$0	\$7,500,000	\$0	\$7,500,000
Pine Hills Trail	Ad Valorem/Other	\$40,836	\$0	\$0	\$0	\$0	\$0	\$0	\$40,836
Dorman Stadium	Ad Valorem/Other	\$0	\$0	\$0	\$0	\$220,563	\$0	\$0	\$220,563
Bithlo Splash Pad	Ad Valorem	\$364,195	\$804,908	\$0	\$0	\$0	\$0	\$0	\$1,169,103
Dorman Property Soccer Fields	Ad Valorem	\$0	\$0	\$0	\$0	\$58,101	\$0	\$0	\$58,101
Barber Park Multi-Purpose Fields	Ad Valorem	\$0	\$0	\$0	\$19,199	\$23,432	\$0	\$0	\$42,631
Lap Avalon/Mailer Trail Blvd.	Grants	\$106,256	\$0	\$0	\$0	\$0	\$0	\$0	\$106,256
LAP Shingle Creek Trail Total	Grants	\$0	\$449,702	\$515,889	\$420,440	\$119,830	\$0	\$0	\$1,505,861
LAP Pine Hill Multi-Use Trail	Grants	\$0	\$0	\$229,479	\$395,358	\$1,663,611	\$0	\$0	\$2,288,448
Christmas Regional Park	Grants	\$0	\$0	\$0	\$325	\$0	\$0	\$0	\$325
East Orange Recreational Center	Grants	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	\$8,415	<u>\$0</u>	<u>\$0</u>	<u>\$8,415</u>
Total Expenditures \$511,287 \$1,254,610 \$745,368 \$835,322 \$2,093,952 \$7,500,000 \$0						\$12,940,539			
Average Annual Expenditures ⁽²⁾									\$1,848,648
Average Annual Population ⁽³⁾	Average Annual Population ⁽³⁾						803,596		
Revenue Credit per Resident ⁽⁴⁾							\$2.30		
- Portion Funded with Ad Valorem ⁽⁵⁾						\$1.61			
- Portion Funded with Other Revenues ⁽⁶⁾						\$0.69			
Credit Adjustment Factor (Ad Valorem Portion Only) ⁽⁷⁾						1.40			
Adjusted Revenue Credit per Person (A	d Valorem Portion Only	(8)							\$2.25
Total Adjusted Credit Per Resident ⁽⁹⁾							\$2.94		

1) Source: Orange County Parks and Recreation

2) Total expenditures divided by seven to calculate the average annual expenditure

3) Source: Appendix A, Table A-1, average population over the same 7-year period.

4) Average annual expenditures (Item 2) divided by the average annual population (Item 3)

5) Portion of the revenue credit per resident funded with ad valorem tax revenue dollars only

6) Revenue credit per resident (Item 4) less the portion funded with ad valorem tax revenues (Item 5)

7) Adjustment factor to reflect higher ad valorem taxes paid by new homes

8) Revenue credit per resident funded with ad valorem tax revenues (Item 5) multiplied by the credit adjustment factor (Item 7)

9) Sum of the revenue credit per resident funded with other revenues (Item 6) and the adjusted revenue credit per resident (Item 8)

The net impact fee per resident is the difference between the cost component and the credit component. **Table 9** summarizes the calculation of the net parks and recreation impact cost. As presented, the net impact cost amounts to \$555 per resident.

ent
Figure
\$606.55
\$2.94
3%
25
(\$51.19)
\$555.36

Table 9
Net Impact Cost per Resident

1) Source: Table 7

2) Source: Table 8

- 3) Present value of the revenue credit (Item 2) over a 25year period with a capitalization rate of 3%. The capitalization rate is based on the information provided by the Orange County Budget Office.
- 4) Total impact cost per resident (Item 1) less total revenue credits per resident (Item 3)

Calculated Parks Recreation Impact Fee Schedule

The calculated parks and recreation impact fee schedule is presented in **Table 10**. Table 10 also shows the percentage change between the adopted and calculated fees and includes a new land use, retirement housing/age restricted, as requested by the County.

calculated ranks and necreation impactive Schedule					
Land Use	Persons per Unit ⁽¹⁾	Net Cost per Person ⁽²⁾	Calculated Impact Fee ⁽³⁾	Adopted Impact Fee ⁽⁴⁾	% Change ⁽⁵⁾
Single Family (detached)	2.78	\$555.36	\$1,544	\$971.71	59%
Accessory Single Family	1.88	\$555.36	\$1,044	\$701.99	49%
Multi-Family	1.88	\$555.36	\$1,044	\$701.99	49%
Mobile Homes	2.07	\$555.36	\$1,150	\$727.86	58%
Retirement Housing/Age Restricted	1.49	\$555.36	\$827	\$701.99	18%

Table 10	
Calculated Parks and Recreation Imp	oact Fee Schedule

1) Source: Appendix A, Table A-2

2) Source: Table 9

3) Persons per unit (Item 1) multiplied by the net cost per resident (Item 2)

4) Source: Orange County Impact Fee Administration; Community, Environmental & Development Services Department. The retirement housing/age restricted land use is compared to the multi-family land use in the adopted fee schedule as a proxy.

5) Change from the calculated impact fee (Item 3) compared to the adopted fee (Item 4)

Parks and Recreation Impact Fee Schedule Comparison

As part of the work effort in updating the Orange County parks and recreation impact fee, a comparison of parks and recreation impact fee schedules is completed for the various counties throughout Florida that charge parks and recreation impact fees (as well as the City of Orlando). As presented, the County's current adopted fee as well as calculated fees are within the range of fees imposed by these jurisdictions.

Lake County200395%\$222\$171\$177\$22Alachua County2004100%\$252\$252\$252\$252Flagler CountyN/AN/AN/A\$268\$268\$269\$22DeSoto County100%\$291\$291\$291\$291\$291Wakula County1992100%\$340\$340\$340\$340Monroe County1992100%\$345\$372\$387Polk County1992100%\$345\$372\$388Glades County1985100%\$366\$340\$388Broward County1995N/A\$178\$126\$134St. Jons County1995N/A\$411\$311\$411\$41\$311\$411\$41\$41\$41100%\$559\$550\$559St. Jons County2015100%\$330\$261\$336St. Jons County2015100%\$559\$564\$559Valuai County2015100%\$559\$564\$579Charlotte County2016100%\$675\$479\$675Charlotte County2011100%\$892\$627\$627Charlotte County201440%\$310\$164\$167Paice County2011100%\$892\$627\$627Sec County2016100%\$326\$668\$660Bay County2015\$10%\$326\$569\$677 <th></th> <th>Recreation</th> <th>Impactic</th> <th></th> <th>company</th> <th></th> <th></th>		Recreation	Impactic		company		
studystudy $(2,000 \text{ fu})$ Family (a)Home (a) $(0,000,00)$ Levy County ^[21] 2005100%\$150\$124\$158\$119Putnam County ^[51] 2006100%\$222\$187\$231\$221Lake County ^[61] 2004100%\$222\$122\$525\$525\$252Flagler County ^[61] N/AN/A\$268\$268\$268\$268DeSoto County ^[61] N/AN/A\$291\$291\$291\$291Marco County ^[61] 1992100%\$340\$340\$340\$340Monroe County ^[61] 1992100%\$354\$372\$387\$323Polk County ^[10] 1992100%\$354\$372\$387\$333Glades County ^[11] 201550%\$178\$126\$134\$333Glades County ^[12] 2006100%\$366\$340\$388\$330Broward County ^[13] N/AN/A\$377\$223\$341\$333St. Johns County ^[14] 2015100%\$551\$511\$511\$44St. Johns County ^[16] 2015100%\$559\$504\$559Volusia County ^[16] 2015100%\$559\$504\$559Volusia County ^[16] 2014100%\$675\$479\$676St. Johns County ^[16] 2015N/A\$680\$660\$699Bay County ^[16] 2014100%\$592\$504\$597Orace County					Multi-	Mobile	
Levy County 2005 100% $$150$ $$124$ $$158$ $$112$ Putnam County 2006 100% $$227$ $$187$ $$231$ $$522$ Lake County 2003 95% $$222$ $$171$ $$177$ $$523$ Alachua County 2004 100% $$252$ $$252$ $$252$ $$252$ Flagler County N/A N/A N/A $$268$ $$268$ $$269$ $$224$ DeSoto County 91% 2006 100% $$291$ $$291$ $$291$ $$252$ Wakulla County 91% 2007 25% $$82$ $$72$ $$818$ $$333$ Monroe County 9192 100% $$340$ $$340$ $$340$ $$340$ Boroward County 9195 100% $$354$ $$372$ $$387$ Polk County 1195 00% $$366$ $$340$ $$388$ $$336$ Grades County 1195 N/A $$111$ $$311$ $$411$ St. Johns County 1195 N/A $$511$ $$511$ $$511$ St. Johns County 2015 100% $$555$ $$504$ $$555$ Volusa County 2014 100% $$682$ $$668$ $$660$ Bay County 2014 100% $$972$ $$702$ $$772$ Palm Beach County 2014 100% $$982$ $$627$ $$657$ Palm Beach County 2014 100% $$1,298$ $$1,298$ $$1,298$ Manatee County 2014 100%	County		Adoption %		Family (du)	Home (du)	
Putnam County ($^{(3)}$ *2006100%\$227\$187\$231\$221Lake County ($^{(6)}$ 200395%\$222\$171\$177\$233Alachua County ($^{(6)}$ N/AN/A\$252\$252\$252\$252Flagler County ($^{(6)}$ N/AN/A\$268\$268\$268De Soto County ($^{(7)}$ *2006100%\$291\$291\$291Wakulla County ($^{(9)}$ 1992100%\$340\$340\$340Monroe County ($^{(1)}$ 1992100%\$354\$372\$387Polk County ($^{(11)}$ 1985100%\$354\$372\$387Polk County ($^{(12)}$ 200550%\$178\$126\$134Broward County ($^{(12)}$ 2006100%\$366\$340\$388Broward County ($^{(13)}$ N/AN/A\$377\$223\$341St. Johns County ($^{(13)}$ N/AN/A\$559\$504\$559Yolusa County ($^{(13)}$ 2015100%\$559\$504\$559Soca County ($^{(13)}$ 2014100%\$675\$479\$675N/AN/AN/A\$688\$668\$666Bay County ($^{(21)}$ 2014100%\$924\$677\$677Pasco County ($^{(21)}$ 2014100%\$892\$627\$627Paim Beach County ($^{(21)}$ 2015N/A\$680\$860\$860St. Lucie County ($^{(21)}$ 2016100%\$1,298\$1,298\$1,298 <td> (2)</td> <td></td> <td>400%</td> <td></td> <td>¢124</td> <td>ć450</td> <td></td>	(2)		400%		¢124	ć450	
Lake County ⁽⁴⁾ 2003 95% S222 S171 S177 S233 Alachua County ⁽⁵⁾ 2004 100% S252 S252 S252 S252 Flagler County ⁽⁶⁾ N/A N/A S268 S268 S268 S268 DeSot County ^{(7)*} 2006 100% S291 S291 S291 Wakulla County ^{(8)*} 2007 Z5% S82 S72 S81 S333 Monroe County ⁽¹⁰⁾ 1992 100% S340 S340 S340 S343 Monroe County ⁽¹¹⁾ 1985 100% S356 S340 S348 S333 Polk County ⁽¹¹⁾ 2015 50% \$178 S126 \$134 S333 Broward County ^{(12)*} 2006 100% S366 S340 S388 S36 Broward County ⁽¹³⁾ N/A N/A S177 S223 S341 S333 S1 Johns County ⁽¹³⁾ 2015 100% S559 S555 S555 S555 S555 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td>				-			
Alachua County ⁽⁵⁾ 2004 100% S252 S252 S252 S252 Flagler County ⁽⁶⁾ N/A N/A N/A S268 S268 S269 S22 DeStot County ⁽⁷⁾ * 2006 100% S291 S291 S291 S292 Wakula County ⁽¹⁰⁾ 1992 100% S340 S340 S340 Monroe County ⁽¹⁰⁾ 1995 100% S344 S372 S383 Polk County ⁽¹¹⁾ 1985 100% S346 S372 S383 Sidaes County ⁽¹²⁾ * 2006 100% S366 S340 S388 S333 Broward County ⁽¹³⁾ N/A N/A S377 S223 S341 S333 St. Jons County ⁽¹³⁾ N/A N/A S337 S553 S554 S559 Volusia County ⁽¹³⁾ 2011 100% S559 S554 S566 Bay County ⁽¹³⁾ 2014 100% S618 S660 S660 Bay County ⁽¹³⁾ 2014	Putnam County ⁽⁵⁾ *						\$227
Flagler County ⁽¹⁶⁾ N/A N/A S268 S268 S269 S262 DeSoto County ⁽⁷⁾ * 2006 100% S291 S291 S291 S291 S291 Wakulla County ⁽¹⁶⁾ 1907 25% S82 S72 S81 S33 Monroe County ⁽¹⁰⁾ 1982 100% S340 S332 S341 S333 Polk County ⁽¹³⁾ 2015 50% S178 S116 S134 S333 Broward County ⁽¹³⁾ N/A N/A S337 S233 S341 S333 Hernando County ⁽¹⁴⁾ 1995 N/A S531 S111 S111 S441 S1 Johns County ⁽¹⁴⁾ 1995 N/A S559 S504 S559 S554 S559 Volusia County ⁽¹⁴⁾ 2015 100% S559 S504 S559 S564 S559 S564 S569 Volusia County ⁽¹⁸⁾ 2015 100% S579 S677 S677 S677 Pasco County ⁽²¹⁾ 20		-					\$234
DeSoto County ⁽⁷⁾ * 2006 100% \$291 \$291 \$291 \$291 Wakulla County ⁽⁸⁾ * 2007 25% \$82 \$72 \$81 \$33 Monroe County ⁽⁹⁾ 1992 100% \$340 \$340 \$340 \$340 Hillsborough County ⁽¹⁰⁾ 1985 100% \$354 \$372 \$387 Polk County ⁽¹¹⁾ 2015 50% \$178 \$216 \$340 \$388 Glades County ⁽¹²⁾ 2006 100% \$366 \$340 \$388 \$36 Broward County ⁽¹⁴⁾ 1995 N/A \$411 \$311 \$411 \$411 St. Johns County ⁽¹⁵⁾ 2011 100% \$511 \$511 \$44 Nasau County ⁽¹⁶⁾ 2015 100% \$513 \$511 \$44 Nasau County ⁽¹⁶⁾ 2014 100% \$668 \$6608 \$660 Bay County ⁽¹⁸⁾ 2014 100% \$812 \$517 \$577 Pasco County ⁽¹⁹⁾ * 2014 40%							\$252
Wakula County ⁽⁸⁾ * 2007 25% S82 \$72 \$81 Monroe County ⁽⁹⁾ 1992 100% \$340 \$340 \$340 Hillsborough County ⁽¹⁰⁾ 1985 100% \$354 \$372 \$387 Polk County ⁽¹¹⁾ 2015 50% \$178 \$126 \$134 Glades County ⁽¹²⁾ * 2006 100% \$366 \$340 \$388 \$33 Broward County ⁽¹³⁾ N/A N/A \$377 \$223 \$341 \$33 St. Johns County ⁽¹⁴⁾ 1995 N/A \$411 \$311 \$441 St. Johns County ⁽¹⁴⁾ 1995 N/A \$511 \$511 \$44 Nasau County ⁽¹⁶⁾ 2015 100% \$559 \$559 \$559 Volusia County ⁽¹⁸⁾ 2005 50% \$330 \$261 \$336 Soco County ⁽¹⁸⁾ 2014 100% \$675 \$479 \$677 Pasco County ⁽²¹⁾ 2011 100% \$892 \$627 \$627		N/A	-				\$268
Monroe County ⁽⁹⁾ 1992 100% \$340 \$340 \$340 Hillsborough County ⁽¹⁰⁾ 1985 100% \$354 \$372 \$387 Polk County ⁽¹¹⁾ 2015 50% \$178 \$126 \$134 Glades County ⁽¹²⁾ * 2006 100% \$366 \$340 \$388 Broward County ⁽¹³⁾ N/A N/A \$377 \$223 \$341 Hernando County ⁽¹⁴⁾ 1995 N/A \$411 \$311 \$411 \$411 \$311 \$411 \$411 \$411 \$44 \$559 \$504 \$559 \$554 \$559 Volusia County ⁽¹⁶⁾ 2015 100% \$579 \$564 \$568 Soutty ⁽¹⁸⁾ 2005 50% \$330 \$261 \$336 Churs County ⁽¹⁹⁾ * 2014 100% \$675 \$479 \$675 Charlotte County ⁽²⁰⁾ 2014 40% \$310 \$164 \$167 Paim Beach County ⁽²¹⁾ 2016 100% \$	DeSoto County ⁽⁷⁾ *	2006					\$291
Hillsborough County ⁽¹⁰⁾ 1985 100% \$354 \$372 \$387 Polk County ⁽¹¹⁾ 2015 50% \$178 \$126 \$134 \$383 Glades County ⁽¹²⁾ * 2006 100% \$366 \$340 \$388 \$363 Broward County ⁽¹³⁾ N/A N/A \$377 \$223 \$341 \$373 Hernando County ⁽¹⁴⁾ 1995 N/A \$411 \$311 \$441 St. Johns County ⁽¹⁵⁾ 2011 100% \$551 \$551 \$544 Nassau County ⁽¹⁶⁾ 2015 100% \$559 \$504 \$559 Volusia County ⁽¹⁷⁾ N/A N/A \$608 \$608 \$668 Bay County ⁽¹⁸⁾ 2005 50% \$330 \$261 \$336 Citrus County ⁽¹⁹⁾ * 2014 100% \$675 \$479 \$675 Charlotte County ⁽²⁰⁾ 2014 40% \$310 \$164 \$167 Pasco County ⁽¹²⁾ 2010 100% \$892 \$627 \$6	Wakulla County ⁽⁸⁾ *	2007	25%				\$329
Polk County ⁽¹¹⁾ 2015 50% \$178 \$126 \$134 \$335 Glades County ⁽¹²⁾ * 2006 100% \$366 \$340 \$388 \$336 Broward County ⁽¹³⁾ N/A N/A \$377 \$223 \$341 \$377 Hernando County ⁽¹⁴⁾ 1995 N/A \$411 \$311 \$411 \$411 St. Johns County ⁽¹⁵⁾ 2011 100% \$559 \$504 \$559 \$559 Volusia County ⁽¹⁵⁾ 2015 100% \$559 \$504 \$559 \$559 Volusia County ⁽¹⁵⁾ N/A N/A \$608 \$608 \$608 \$608 Bay County ⁽¹⁸⁾ 2005 50% \$330 \$261 \$336 \$660 Citrus County ⁽¹⁹⁾ * 2014 100% \$675 \$479 \$675 \$677 Pasco County ⁽¹²⁾ 2014 40% \$310 \$164 \$167 \$577 Pasco County ⁽²¹⁾ 2016 100% \$922 \$627 \$627 \$	Monroe County ⁽⁹⁾	1992	100%	\$340	\$340	\$340	\$340
Glades County ^{(12)*} 2006 100% \$366 \$340 \$388 \$360 Broward County ⁽¹³⁾ N/A N/A \$377 \$223 \$341 \$377 Hernando County ⁽¹⁴⁾ 1995 N/A \$411 \$311 \$411 \$411 St. Johns County ⁽¹⁵⁾ 2011 100% \$551 \$551 \$559 \$559 \$559 \$559 \$559 \$559 \$550 \$559 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$567 \$479 \$567	Hillsborough County ⁽¹⁰⁾	1985	100%	\$354	\$372	\$387	\$354
Glades County ^{(12)*} 2006 100% \$366 \$340 \$388 \$360 Broward County ⁽¹³⁾ N/A N/A \$377 \$223 \$341 \$377 Hernando County ⁽¹⁴⁾ 1995 N/A \$411 \$311 \$411 \$411 St. Johns County ⁽¹⁵⁾ 2011 100% \$551 \$551 \$559 \$559 \$559 \$559 \$559 \$559 \$550 \$559 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$566 \$567 \$479 \$567	Polk County ⁽¹¹⁾	2015	50%	\$178	\$126	\$134	\$357
Hernando County(14)1995N/A\$411\$311\$411\$411St. Johns County2011100%\$511\$511\$511\$44Nassau County2015100%\$559\$504\$559\$565Volusia CountyN/AN/AN/A\$608\$608\$608Bay County201550%\$330\$261\$336\$666Bay County2014100%\$675\$479\$675\$675Charlotte County201440%\$310\$164\$167\$77Pasco County2014100%\$892\$627\$627\$627Osceola County2001100%\$892\$679\$77\$92Orange County2012100%\$924\$679\$77\$92Palm Beach County2015N/A\$860\$860\$860\$97Manatee County2015100%\$1,298\$1,298\$1,494Lee County2016100%\$1,525\$1,060\$959\$1,525Orange County2017N/A\$1,544\$1,504\$1,505St. Lucie County201469%\$1,333\$767\$749\$1,525Marint County2015100%\$1,525\$1,060\$959\$1,525Marint County2016100%\$1,972\$1,972\$1,972\$1,972Marint County2016100%\$1,972\$1,972\$1,972\$1,972Marint County2016100%		2006	100%	\$366	\$340	\$388	\$366
St. Johns County ⁽¹⁵⁾ 2011 100% \$511 \$511 \$511 \$544 Nassau County ⁽¹⁶⁾ 2015 100% \$559 \$504 \$556 Volusia County ⁽¹⁷⁾ N/A N/A \$608 \$608 \$608 Bay County ⁽¹⁸⁾ 2005 50% \$330 \$261 \$336 \$666 Citrus County ⁽¹⁹⁾ * 2014 100% \$675 \$479 \$675 \$677 Charlotte County ⁽²⁰⁾ 2014 40% \$310 \$164 \$167 \$77 Pasco County ⁽²¹⁾ 2001 100% \$892 \$667 \$677 \$679 Osceola County ⁽²²⁾ 2006 100% \$892 \$679 \$677 \$907 Orange County (Adopted) ⁽²³⁾ 2012 100% \$972 \$702 \$702 \$909 \$1,298 \$1,298 \$1,298 \$1,298 \$1,494 Lee County ⁽²⁵⁾ 2015 90% \$1,298 \$1,298 \$1,997 \$1,997 Manatee County ⁽²⁶⁾ 2017 N/A \$1,698 \$490 \$5155 \$1,060 \$1,997	Broward County ⁽¹³⁾	N/A	N/A	\$377	\$223	\$341	\$377
St. Johns County ⁽¹⁵⁾ 2011 100% \$511 \$511 \$511 \$544 Nassau County ⁽¹⁶⁾ 2015 100% \$559 \$504 \$556 Volusia County ⁽¹⁷⁾ N/A N/A \$608 \$608 \$608 Bay County ⁽¹⁸⁾ 2005 50% \$330 \$261 \$336 \$666 Citrus County ⁽¹⁹⁾ * 2014 100% \$675 \$479 \$675 \$677 Charlotte County ⁽²⁰⁾ 2014 40% \$310 \$164 \$167 \$77 Pasco County ⁽²¹⁾ 2001 100% \$892 \$667 \$677 \$679 Osceola County ⁽²²⁾ 2006 100% \$892 \$679 \$677 \$907 Orange County (Adopted) ⁽²³⁾ 2012 100% \$972 \$702 \$702 \$909 \$1,298 \$1,298 \$1,298 \$1,298 \$1,494 Lee County ⁽²⁵⁾ 2015 90% \$1,298 \$1,298 \$1,997 \$1,997 Manatee County ⁽²⁶⁾ 2017 N/A \$1,698 \$490 \$5155 \$1,060 \$1,997	Hernando County ⁽¹⁴⁾	1995	N/A	\$411	\$311	\$411	\$411
Nassau County ⁽¹⁶⁾ 2015 100% \$559 \$504 \$559 Volusia County ⁽¹⁷⁾ N/A N/A N/A \$608 \$608 \$608 \$606 Bay County ⁽¹⁸⁾ 2005 50% \$330 \$261 \$336 \$667 Citrus County ⁽¹⁹⁾ * 2014 100% \$675 \$479 \$675 \$677 Charlotte County ⁽²⁰⁾ 2014 40% \$310 \$164 \$167 \$77 Pasco County ⁽²¹⁾ 2001 100% \$892 \$667 \$677 \$677 Osceola County ⁽²²⁾ 2006 100% \$924 \$679 \$677 \$927 Orange County (Adopted) ⁽²³⁾ 2012 100% \$972 \$770 \$977 Palm Beach County ⁽²⁴⁾ 2015 N/A \$860 \$860 \$860 \$979 Manatee County ⁽²⁵⁾ 2012 44% \$658 \$499 \$658 \$1,544 Lee County ⁽²⁵⁾ 2016 100% \$1,525 \$1,060 \$959 \$1,525		2011	100%	\$511	\$511	\$511	\$449
Volusia County ⁽¹⁷⁾ N/A N/A S608 S608 S608 S608 Bay County ⁽¹⁸⁾ 2005 50% \$330 \$261 \$336 \$66 Citrus County ⁽¹⁹⁾ * 2014 100% \$675 \$479 \$675 \$675 Charlotte County ⁽²⁰⁾ 2014 40% \$310 \$164 \$167 \$77 Pasco County ⁽²¹⁾ 2001 100% \$892 \$667 \$677 \$992 Osceola County ⁽²²⁾ 2006 100% \$924 \$679 \$677 \$992 Palm Beach County ⁽²⁴⁾ 2012 100% \$972 \$702 \$772 \$997 Manatee County ⁽²⁶⁾ 2015 N/A \$860 \$860 \$860 \$997 St. Lucie County ⁽²⁶⁾ 2012 44% \$658 \$490 \$658 \$1,49 Indian River County ⁽²⁹⁾ 2014 60% \$1,544 \$1,044 \$1,592 \$1,972 \$1,972 Martin County ⁽³⁰⁾ 2014 69% \$1,433 <td< td=""><td></td><td>2015</td><td>100%</td><td>\$559</td><td>\$504</td><td>\$559</td><td>\$559</td></td<>		2015	100%	\$559	\$504	\$559	\$559
Bay County200550%\$330\$261\$336\$66Citrus County2014100%\$675\$479\$675\$675Charlotte County201440%\$310\$164\$167\$77Pasco County2001100%\$892\$627\$627\$88Osceola County2006100%\$924\$679\$677\$92Orange County (Adopted)2015N/A\$860\$860\$97Palm Beach County2015N/A\$860\$860\$97Manatee County201590%\$1,298\$1,298\$1,298St. Lucie County2016100%\$1,525\$1,060\$959Orange County (Calculated)2017N/A\$1,544\$1,644Martin County2019201469%\$1,343\$767\$749Miami-Dade County2016100%\$1,972\$1,972\$1,972\$1,972Sarasota County2016100%\$2,719\$1,972\$1,972\$1,972Collier County2016100%\$2,719\$2,204\$1,880\$2,719Sarasota County2016100%\$2,719\$2,204\$1,880\$2,719Sarasota County2016100%\$3,628\$1,685\$2,862\$3,31		N/A	N/A	\$608	\$608	\$608	\$608
Citrus County2014100%\$675\$479\$675\$675Charlotte County201440%\$310\$164\$167\$77Pasco County2001100%\$892\$627\$627\$89Osceola County2006100%\$924\$679\$677\$92Orange County (Adopted)2012100%\$972\$702\$778\$97Palm Beach County2015N/A\$860\$860\$800\$97Manatee County201590%\$1,298\$1,298\$1,298\$1,298St. Lucie County2016100%\$1,525\$1,060\$959\$1,525Orange County (20)2016100%\$1,525\$1,060\$959\$1,525Manatee County2016100%\$1,525\$1,060\$959\$1,525St. Lucie County2017N/A\$1,544\$1,044\$1,504\$1,940Martin County2012100%\$1,972\$1,972\$1,972\$1,972Miami-Dade County2016100%\$2,719\$1,972\$1,972\$1,972Sarasota County2015100%\$3,628\$1,685\$2,862\$3,373Collier County2015100%\$3,628\$1,685\$2,862\$3,373	Bay County ⁽¹⁸⁾	2005	50%	\$330	\$261	\$336	\$660
Charlotte County ⁽²⁰⁾ 2014 40% \$310 \$164 \$167 Pasco County ⁽²¹⁾ 2001 100% \$892 \$627 \$627 \$89 Osceola County ⁽²¹⁾ 2006 100% \$924 \$679 \$677 \$90 Orange County (Adopted) ⁽²³⁾ 2012 100% \$972 \$702 \$778 \$97 Palm Beach County ⁽²⁴⁾ 2015 N/A \$860 \$860 \$860 \$860 \$97 Manatee County ⁽²⁵⁾ 2015 90% \$1,298 \$1,298 \$1,298 \$1,298 \$1,298 \$1,44 Lee County ⁽²⁵⁾ 2015 90% \$1,525 \$1,060 \$959 \$1,526 St. Lucie County ⁽²⁷⁾ 2016 100% \$1,525 \$1,060 \$959 \$1,526 Indian River County ⁽²⁹⁾ 2014 69% \$1,343 \$767 \$749 \$1,949 Martin County ⁽³⁰⁾ 2012 100% \$1,972 \$1,972 \$1,972 \$1,972 \$1,972 \$1,972 \$1,972		2014	100%	\$675	\$479	\$675	\$675
Pasco County ⁽²¹⁾ 2001 100% \$892 \$627 \$627 \$897 Osceola County ⁽²²⁾ 2006 100% \$924 \$679 \$677 \$97 Orange County (Adopted) ⁽²³⁾ 2012 100% \$972 \$702 \$702 \$778 \$97 Palm Beach County ⁽²⁴⁾ 2015 N/A \$860 \$860 \$860 \$860 \$97 Manatee County ⁽²⁵⁾ 2015 90% \$1,298 \$1,298 \$1,298 \$1,298 \$1,298 \$1,298 \$1,298 \$1,298 \$1,298 \$1,298 \$1,298 \$1,44 Lee County ⁽²⁶⁾ 2012 44% \$658 \$490 \$658 \$1,50 <		2014	40%	\$310	\$164	\$167	\$776
Orange County (Adopted) ⁽²³⁾ 2012 100% \$972 \$702 \$728 \$97 Palm Beach County ⁽²⁴⁾ 2015 N/A \$860 \$860 \$860 \$97 Manatee County ⁽²⁵⁾ 2015 90% \$1,298 \$1,298 \$1,298 \$1,298 \$1,44 Lee County ⁽²⁶⁾ 2012 44% \$658 \$490 \$658 \$1,40 St. Lucie County ⁽²⁷⁾ 2016 100% \$1,525 \$1,060 \$959 \$1,525 Orange County (Calculated) ⁽²⁸⁾ 2017 N/A \$1,544 \$1,044 \$1,557 Indian River County ⁽²⁹⁾ 2014 69% \$1,343 \$767 \$749 \$1,972 Martin County ⁽³⁰⁾ 2012 100% \$1,972 \$1,972 \$1,972 \$1,972 Miami-Dade County ⁽³¹⁾ 2006 N/A \$2,999 \$1,823 \$2,999 \$2,204 \$1,880 \$2,71 Sarasota County ⁽³³⁾ 2015 100% \$3,628 \$1,685 \$2,862 \$3,31 <td></td> <td>2001</td> <td>100%</td> <td>\$892</td> <td>\$627</td> <td>\$627</td> <td>\$892</td>		2001	100%	\$892	\$627	\$627	\$892
Palm Beach County ⁽²⁴⁾ 2015 N/A \$860 \$860 \$860 \$860 \$870 Manatee County ⁽²⁵⁾ 2015 90% \$1,298 \$1,298 \$1,298 \$1,428 \$1,44 Lee County ⁽²⁶⁾ 2012 44% \$658 \$490 \$658 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,065 \$1,525 \$1,065 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1	Osceola County ⁽²²⁾	2006	100%	\$924	\$679	\$677	\$924
Palm Beach County ⁽²⁴⁾ 2015 N/A \$860 \$860 \$860 \$860 \$870 Manatee County ⁽²⁵⁾ 2015 90% \$1,298 \$1,298 \$1,298 \$1,428 \$1,44 Lee County ⁽²⁶⁾ 2012 44% \$658 \$490 \$658 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$959 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,060 \$1,525 \$1,065 \$1,525 \$1,065 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1,926 \$1	Orange County (Adopted) ⁽²³⁾	2012	1 00 %	\$972	\$702	\$728	\$972
Manatee County201590% $\$1,298$ $\$1,596$ $\$1,596$ $\$1,596$ $\$1,596$ $\$1,596$ $\$1,596$ $\$1,596$ $\$1,596$ $\$1,596$ $\$1,596$ $\$1,996$ $\$1,396$ $\$1,972$ <		2015	N/A	\$860	\$860	\$860	\$979
Lee County ⁽²⁶⁾ 2012 44% \$658 \$490 \$658 \$1,50 St. Lucie County ⁽²⁷⁾ 2016 100% \$1,525 \$1,060 \$959 \$1,525 Orange County (Calculated) ⁽²⁸⁾ 2017 N/A \$1,544 \$1,044 \$1,150 \$1,924 Indian River County ⁽²⁹⁾ 2014 69% \$1,343 \$767 \$7499 \$1,924 Martin County ⁽³⁰⁾ 2012 100% \$1,972 \$1,972 \$1,972 \$1,972 Sarasota County ⁽³¹⁾ 2006 N/A \$2,999 \$1,823 \$2,999 \$2,274 Sarasota County ⁽³²⁾ 2015 100% \$3,628 \$1,685 \$2,822 \$3,31		2015	90%	\$1,298	\$1,298	\$1,298	\$1,442
St. Lucie County ⁽²⁷⁾ 2016 100% \$1,525 \$1,060 \$959 \$1,525 Orange County (Calculated) ⁽²⁸⁾ 2017 N/A \$1,544 \$1,044 \$1,150 \$1,525 Indian River County ⁽²⁹⁾ 2014 69% \$1,343 \$767 \$749 \$1,94 Martin County ⁽³⁰⁾ 2012 100% \$1,972 \$1,972 \$1,972 \$1,972 Miami-Dade County ⁽³¹⁾ 2006 N/A \$2,999 \$1,823 \$2,999 \$2,274 Sarasota County ⁽³²⁾ 2015 100% \$3,628 \$1,685 \$2,862 \$3,31		2012	44%	\$658	\$490	\$658	\$1,506
Orange County (Calculated) ⁽²⁸⁾ 2017 N/A \$1,544 \$1,044 \$1,150 \$1,544 Indian River County ⁽²⁹⁾ 2014 69% \$1,343 \$767 \$749 \$1,944 Martin County ⁽³⁰⁾ 2012 100% \$1,972 \$1,972 \$1,972 \$1,972 \$1,972 Miami-Dade County ⁽³¹⁾ 2006 N/A \$2,999 \$1,823 \$2,999 \$2,274 Sarasota County ⁽³²⁾ 2015 100% \$3,628 \$1,685 \$2,862 \$3,31		2016	100%	\$1,525	\$1,060	\$959	\$1,525
Indian River County ⁽²⁹⁾ 2014 69% \$1,343 \$767 \$749 \$1,94 Martin County ⁽³⁰⁾ 2012 100% \$1,972		2017	N/A	\$1,544	\$1,044	\$1,150	\$1,544
Martin County ⁽³⁰⁾ 2012 100% \$1,972 <t< td=""><td></td><td>2014</td><td>69%</td><td>\$1,343</td><td>\$767</td><td>\$749</td><td>\$1,947</td></t<>		2014	69%	\$1,343	\$767	\$749	\$1,947
Miami-Dade County ⁽³¹⁾ 2006 N/A \$2,999 \$1,823 \$2,999 \$2,27 Sarasota County ⁽³²⁾ 2016 100% \$2,719 \$2,204 \$1,880 \$2,71 Collier County ⁽³³⁾ 2015 100% \$3,628 \$1,685 \$2,862 \$3,31		2012	100%	\$1,972	\$1,972	\$1,972	\$1,972
Sarasota County ⁽³²⁾ 2016 100% \$2,719 \$2,204 \$1,880 \$2,719 Collier County ⁽³³⁾ 2015 100% \$3,628 \$1,685 \$2,862 \$3,31		2006	N/A	\$2,999	\$1,823	\$2,999	\$2,276
Collier County ⁽³³⁾ 2015 100% \$3,628 \$1,685 \$2,862 \$3,31		2016	100%	\$2,719	\$2,204	\$1,880	\$2,719
		2015	100%	\$3,628	\$1,685	\$2,862	\$3,313
	City of Orlando ⁽³⁴⁾	2014	14%	\$966	\$825	\$966	\$6,902

Table 11Parks and Recreation Impact Fee Schedule Comparison

* Indicates fees are currently under moratorium

Note: counties surrounding Orange County are highlighted.

1) Fee shown is the fully calculated single family rate

- 2) Source: Levy County Community Development Department
- 3) Source: Putnam County Planning & Development Services. Fee is suspended through February 2018.
- 4) Source: Lake County Growth Management Department
- 5) Source: Alachua County Growth Management Department. Fees shown for the multi-family and mobile home rate is for 2,000 sf.

- 6) Source: Flagler County Planning and Zoning Department
- 7) Source: Desoto County Planning & Zoning Department. Fees are suspended through November 2017.
- 8) Source: Wakulla County Building Department. Fees are currently suspended.
- 9) Source: Monroe County Planning & Environmental Resources Department
- 10) Source: Hillsborough County Development Services Department. Fees shown is an average of the four districts at the 3-bedroom rate.
- 11) Source: Polk County Building and Construction Department
- 12) Source: Glades County Planning Zoning Department. Fees are suspended through February 14, 2018.
- 13) Source: Broward County Planning and Development Management Division. Rates shown for single family and mobile home use the 2 or less bedroom option and 2 bedroom option. The multi-family rate shown is the 1 or less bedroom option.
- 14) Source: Hernando County Planning Department. Impact fees were last updated by County staff based on the 1995 study and review of other county's fees.
- 15) Source: St. Johns County Growth Management Department. Fees were adopted in 2011 and 100% and have since been indexed annually based off construction costs. Fees shown for the multi-family and mobile home rate is the 2,000 sf tier.
- 16) Source: Nassau County Department of Planning and Economic Opportunity. Fee shown is the average of the combined fee of regional and community parks for the four park districts.
- 17) Source: Volusia County Growth and Resource Management Department. Fees shown combine the local and district parks' impact fees.
- 18) Source: Bay County Planning and Zoning. Fees were adopted at 100% and have since been reduced to 50% of the fully calculated fees.
- 19) Source: Citrus County Growth and Management Department. Fee is suspended through April 2018.
- 20) Source: Charlotte County Community Development Department. Regional/ Specialty & Community Parks impact fees are shown.
- 21) Source: Pasco County Central Permitting Department
- 22) Source: Osceola County Impact and Mobility Fee Office
- 23) Source: Orange County Impact Fee Administration; Community, Environmental & Development Services Department
- 24) Source: Palm Beach County Planning, Zoning, and Building Department. Fees shown use a 2,000 sf home as a proxy. Fee shown under single family fee at 100% reflects an on-going technical study.
- 25) Source: Manatee County Financial Management Department. Fees shown for the multi-family and mobile home rate is the 2,000 sf tier.
- 26) Source: Lee County Department of Community Development. Fees shown combine the community (adopted at 98%) and regional (adopted at 95%) park's impact fees. Fees have since been reduced to 45% of their adopted levels (approximately 44% of calculated fees).
- 27) Source: St. Lucie County Planning & Development Services Department. Fee shown for multi-family uses the 1 and 2 story category as a proxy.
- 28) Source: Table 10
- 29) Source: Indian River County Planning Division. Adopted the "affordable growth" scenario which discounted fees to 92%. Additionally, staff recommended a 25% discount to all land uses
- 30) Source: Martin County Growth Management Department. Fees shown for the multi-family and mobile home rate is the 2,000 sf tier.
- 31) Source: Miami-Dade County Zoning and Impact Fee Section. Fees shown is the average of the three park district's impact fees that were last updated in 2006 and include an annual increase based on the CPI.
- 32) Source: Sarasota County Planning and Development Services. Fees shown for the multi-family rate is the 2,000 sf tier.
- 33) Source: Collier County Impact Fee Administration Department. Fees shown combine community and regional parks' impact fees that were last updated in 2015. Additionally, fees have since been indexed which the County does annually.
- 34) Source: City of Orlando Families, Parks and Recreation Department

Future Revenue Estimates

Revenue estimates are calculated based on the growth population projections provided in Appendix A, Table A-1. Based on this analysis, it is estimated that the parks and recreation impact fees will generate approximately \$246 million of total revenues, or an average of \$8.5 million annually through 2045, as shown in **Table 12**. These figures are in 2017 dollars and do not take into account indexing or possible update of the fees. In addition, it should be noted that these figures generate an overall order-of-magnitude annual estimate.

For impact fee purposes, revenue projections serve only as an overall guideline in planning future infrastructure needs. In their simplest form, impact fees charge each unit of new growth for the net cost (total cost less credits) of infrastructure needed to serve that unit of growth. If the growth rates remain high, the County will have more impact fee revenues to fund growth related projects sooner rather than later. If the growth rate slows down, less revenue will be generated, and the timing and need for future infrastructure improvements will be later rather than sooner.

Year	Projected	Estimated Impact		
Teal	Population ⁽¹⁾	Fee Revenue ⁽²⁾		
2017	839,114			
2045 1,282,560				
Change in Population				
Net Impact Cost per Resident ⁽³⁾	\$555.36			
Total Revenues For the Period 20	017 - 2045	\$246,272,171		
Average Annual Revenue Estimate ⁽⁴⁾		\$8,492,144		
1) Courses Assending A Table A 1				

Table 12Parks and Recreation Revenue Estimates

1) Source: Appendix A, Table A-1

2) Net impact cost per resident multiplied by the change in population

3) Source: Table 9

4) Total revenues for the entire period divided by 29 years

Indexing

In many cases, impact fees are reviewed periodically (every three to five years, etc.) as opposed to on an annual basis. If no adjustment to the impact fee schedule is made during this period, a situation can be created where major adjustments to the impact fee schedule likely become necessary due to the time between the adjustments. During periods of cost increases, the need for significant adjustments also creates major concerns in the development community. To address this issue, in the past, Orange County indexed its fees annually for construction and land cost changes based on changes over the past five years, as appropriate. The remainder of this section provides the method to calculate a combined index that can be updated by the County annually.

Land Cost

As shown in **Table 13**, between 2011 and 2016, just value of vacant land increased by an annual average of 5 percent in the unincorporated county. Given the high level of fluctuations in land values, it is recommended to review a longer period as well. A review of land value changes from 1976 to 2016 suggested an average increase of 5.6 percent per year. This figure is consistent with the increase experienced over the past five years. When the change in a shorter period suggests a large average annual increase (for example, 8 percent or greater), this average can be moderated by using a longer-term period.

vacant Land value Change				
Year	Just Value	Percent Change		
2011	\$1,600,468,213	-		
2012	\$1,462,392,892	-8.6%		
2013	\$1,478,892,972	1.1%		
2014	\$1,701,638,886	15.1%		
2015	\$1,835,656,636	7.9%		
2016	\$2,014,490,714	9.7%		
	Average	5.0%		

Table 13
Vacant Land Value Change

Source: Florida Department of Revenue, Ad Valorem Valuation and Tax Data files

Building Construction Cost

For building construction costs, a common index used is the building cost index provided by Engineering-News Record. As shown in **Table 14**, the building cost index has remained fairly stable averaging 2.2 percent over the past five-years.

Facility and Equipment Cost Index				
Year	Annual Avg	Percent Change		
2011	5,058	-		
2012	5,174	2.3%		
2013	5,278	2.0%		
2014	5,387	2.1%		
2015	5,518	2.4%		
2016	5,645	2.3%		
	Average	2.2%		

Table 14
Facility and Equipment Cost Index

Source: Enginnering News-Record, Building Cost Index

Application

To index the parks and recreation impact fee schedule previously presented in this report, the combined index should first be calculated, which is presented in **Table 15**. The second column summarizes the average cost increases presented previously in Tables 13 and 14. The third column presents the percent of the total cost for each inventory component, which are then multiplied with the annual change to create the overall index. The combined index for the parks and recreation impact fee is then applied to the calculated fees presented in the impact fee schedule in **Table 16**.

Indexing Application – Combined Index					
Cost Component	Annual Change ⁽¹⁾	Percent of Total ⁽²⁾	Index ⁽³⁾		
Land Cost	5.0%	51%	2.6%		
Facility Cost	2.2%	49%	<u>1.1%</u>		
Total			3.7%		

Table 15 Indexing Application – Combined Index

2) Source: Table 7

 Annual change (Item 1) multiplied by the percent of total (Item 2)

¹⁾ Source: Tables 13 and 14

Table 16 presents the indexed fee schedules for the next four years. With the overall index calculated and shown in Table 15, the parks and recreation impact fee for the single family detached residential home increases from \$1,544 in Year 1 to \$1,785 in Year 5. It is recommended the calculated index be reviewed and recalculated annually, especially during time periods when the costs fluctuate significantly.

indexed i ces						
Land Use	Year 1 Calculated Impact Fee ⁽¹⁾	Year 2 ⁽²⁾	Year 3 ⁽³⁾	Year 4 ⁽⁴⁾	Year 5 ⁽⁵⁾	
Single Family (detached)	\$1,544	\$1,601	\$1,660	\$1,721	\$1,785	
Accessory Single Family	\$1,044	\$1,083	\$1,123	\$1,165	\$1,208	
Multi-Family	\$1,044	\$1,083	\$1,123	\$1,165	\$1,208	
Mobile Homes	\$1,150	\$1,193	\$1,237	\$1,283	\$1,330	
Retirement Housing/Age Restricted	\$827	\$858	\$890	\$923	\$957	
Annual Index ⁶		3.7%	3.7%	3.7%	3.7%	

Table	16
Indexed	Fees

1) Source: Table 10

2) Year 1 figures (Item 1) multiplied by (1+0.037), annual index (Item 6)

3) Year 2 figures (Item 2) multiplied by (1+0.037), annual index (Item 6)

4) Year 3 figures (Item 3) multiplied by (1+0.037), annual index (Item 6)

5) Year 4 figures (Item 4) multiplied by (1+0.037), annual index (Item 6)

6) Source: Table 15

Appendix A Population Analysis Supplemental Information

Appendix A

The parks and recreation impact fee requires the use of population data in calculating current levels of service, performance standards, and credit calculations. To accurately determine demand for services, and to be consistent with the County's Comprehensive Plan, population projections include only permanent residents and uses the mid-level population projections obtained from the University of Florida, Bureau of Economic and Business Research (BEBR).

Table A-1 presents the population trend for Orange County, unincorporated Orange County, and a trend of the unincorporated portion of the countywide population. The projections indicate that the current population for the unincorporated portion of the county is approximately 839,000 and is estimated to increase by an average of 1.5 percent annually between 2017 and 2045. Also, as shown, the unincorporated portion of the countywide population has averaged 64 percent between 2011 and 2016, which is utilized to project the population through 2045.

A-1

Population Estimates and Projections – U				ipolated Ol	ange county
Year	Orange	Percent	Unincorporated	Percent	Percentage
	County ⁽¹⁾	Change ⁽²⁾	County ⁽³⁾	Change ⁽²⁾	Unincorporated ⁽⁴⁾
2000	896,344	-	596,164	-	66.5%
2001	929,246	3.7%	619,072	3.8%	66.6%
2002	956,062	2.9%	631,580	2.0%	66.1%
2003	982,599	2.8%	644,721	2.1%	65.6%
2004	1,014,242	3.2%	662,729	2.8%	65.3%
2005	1,050,333	3.6%	681,660	2.9%	64.9%
2006	1,084,706	3.3%	701,015	2.8%	64.6%
2007	1,111,307	2.5%	717,534	2.4%	64.6%
2008	1,125,822	1.3%	722,586	0.7%	64.2%
2009	1,133,453	0.7%	726,201	0.5%	64.1%
2010	1,145,956	1.1%	736,657	1.4%	64.3%
2011	1,157,342	1.0%	742,671	0.8%	64.2%
2012	1,175,941	1.6%	754,470	1.6%	64.2%
2013	1,202,978	2.3%	772,657	2.4%	64.2%
2014	1,227,995	2.1%	786,296	1.8%	64.0%
2015	1,252,396	2.0%	799,985	1.7%	63.9%
2016	1,280,387	2.2%	813,421	1.7%	63.5%
2017	1,311,116	2.4%	839,114	3.2%	64.0%
2018	1,342,583	2.4%	859,253	2.4%	64.0%
2019	1,374,805	2.4%	879,875	2.4%	64.0%
2020	1,407,600	2.4%	900,864	2.4%	64.0%
2021	1,435,189	2.0%	918,521	2.0%	64.0%
2022	1,463,319	2.0%	936,524	2.0%	64.0%
2023	1,492,000	2.0%	954,880	2.0%	64.0%
2024	1,521,243	2.0%	973,596	2.0%	64.0%
2025	1,551,400	2.0%	992,896	2.0%	64.0%
2026	1,576,222	1.6%	1,008,782	1.6%	64.0%
2027	1,601,442	1.6%	1,024,923	1.6%	64.0%
2028	1,627,065	1.6%	1,041,322	1.6%	64.0%
2029	1,653,098	1.6%	1,057,983	1.6%	64.0%
2030	1,679,700	1.6%	1,075,008	1.6%	64.0%
2031	1,702,880	1.4%	1,089,843	1.4%	64.0%
2032	1,726,380	1.4%	1,104,883	1.4%	64.0%
2033	1,750,204	1.4%	1,120,131	1.4%	64.0%
2034	1,774,357	1.4%	1,135,588	1.4%	64.0%
2035	1,799,100	1.4%	1,151,424	1.4%	64.0%
2036	1,820,329	1.2%	1,165,011	1.2%	64.0%
2037	1,841,809	1.2%	1,178,758	1.2%	64.0%
2038	1,863,542	1.2%	1,192,667	1.2%	64.0%
2039	1,885,532	1.2%	1,206,740	1.2%	64.0%
2040	1,908,000	1.2%	1,221,120	1.2%	64.0%
2041	1,926,889	1.0%	1,233,209	1.0%	64.0%
2042	1,945,965	1.0%	1,245,418	1.0%	64.0%
2043	1,965,230	1.0%	1,257,747	1.0%	64.0%
2044	1,984,686	1.0%	1,270,199	1.0%	64.0%
2045	2,004,000	1.0%	1,282,560	1.0%	64.0%

Table A-1Population Estimates and Projections – Unincorporated Orange County

1) Source: University of Florida, Bureau of Economic and Business Research (BEBR), historical estimates and medium projections for 2020, 2025, 2030, 2035, and 2045.

2) Percent change from year to year

3) Source: University of Florida, Bureau of Economic and Business Research (BEBR) for 2000-2016. For future projections, the portion of the unincorporated county to countywide population for

2011-2016 (64%) was used to project the unincorporated county population.

4) Unincorporated county population (Item 3) divided by the countywide population (Item 1)

Apportionment of Demand by Residential Unit Type

The residential land uses to be used for the impact fee calculations are the following:

- Single Family (detached)
- Multi-Family
- Mobile Home
- Retirement Housing/Age Restricted

Table A-2 presents the number of persons per housing type for the residential categories identified above in the Orange County parks and recreation impact fee update study. This analysis includes all housing units, both occupied and vacant. As mentioned previously, this study adds a new land use to recognize the difference in the demand from retirement housing/age restricted housing. In the case of the new land use, data from the 2001 National Household Travel Survey was used to adjust the single family and multi-family land uses to account for the residents over 55 years of age.

Housing Type	Population ⁽¹⁾	Housing Units ⁽²⁾	Persons per Housing Unit ⁽³⁾		
Single Family (detached)	567,669	203,840	2.78		
Multi-Family	153,337	81,539	1.88		
Mobile Home	<u>37,782</u>	<u>18,252</u>	2.07		
Weighted Avg.	758,788	303,631	2.50		
Retirement Housing/Age Restricted	425,394	285,379	1.49		

 Table A-2

 Persons per Housing Unit (Unincorporated Orange County)

 Source: 2015 American Community Survey, Table B25033. Population for the retirement housing/age-restricted housing type adjusts the sum of the population of single family and multi-family for the residents over 55 years of age based on information obtained from the 2001 National Household Travel Survey, prepared by the US Department of Transportation.

- 2) Source: 2015 American Community Survey, Table DP04
- 3) Population (Item 1) divided by housing units (Item 2)
- 4) Notes: Excluding boats, RVs, vans, etc.

Appendix B Land Value Analysis Supplemental Information This appendix provides a summary of land value estimates for the parks and recreational facilities impact fee.

In order to determine the land value for Orange County parks, the following information was reviewed and analyzed:

- Change in vacant land values since the last technical study (2011);
- Recent park land purchases made by the County;
- Vacant land sales obtained from the Orange County Property Appraiser database; and
- Vacant land values (both the parkland inventory and other similarly sized vacant property in the County) obtained from the Orange County Property Appraiser's database.

The 2011 technical study estimated average land value at \$40,000 per acre for activity-based parks and \$20,000 per acre for resource-based parks. Since then, the property values increased by 25 percent based on Orange County Property Appraiser's estimates. This results in a value of \$50,000 per acre for activity-based parks and \$25,000 for resource-based parks.

A review of the recent park land purchases was completed. The County purchased three parcels that are approximately 10 acres or larger between 2013 and 2016. Cost for these purchases ranged from \$33,000 per acre to \$98,000 per acre.

A review of residential vacant land sales of similarly sized parcels suggested an average value of \$60,000 per acre to \$92,000 per acre depending of size of the parcels while the median values were lower. This information is summarized in Table B-1.

Given this information, an average value of \$60,000 per acre for activity-based parks and \$30,000 per acre for resource-based parks are found to be reasonable, if not conservative, estimates for impact fee calculation purposes.

Item	Land Value
2011 Estimates Adjusted for Inflation ⁽¹⁾ :	
- Activity-Based	\$50,400
- Resource-Based	\$25,200
Recent Land Purchases (2012-2016) ⁽²⁾ :	
- Average	\$68,000
- Range	\$33,000 - \$98,000
- Count	3
Recent Land Sales (2013-2016) ⁽³⁾ :	
1 - 5 acres	
- Average	\$58,000
- Median	\$26,000
- Range	\$1,600 - \$967,000
- Count	439
5.01 - 10 acres	
- Average	\$75,000
- Median	\$20,000
- Range	\$3,700 - \$785,000
- Count	26
10.01 - 15 acres	
- Average	\$92,000
- Median	\$49,000
- Range	\$2,400 - \$604,000
- Count	16
Used in the Study:	
- Activity-Based	\$60,000
- Resource-Based	\$30,000

 Table B-1

 Summary of Park Land Value Information

 2011 report values of \$40,000 per acre for activity-based parks and \$20,000 per acre for resource-based parks are increased by 26% based on data obtained from the Orange County Property Appraiser data.

- 2) Source: Orange County Parks and Recreation
- 3) Source: Orange County Property Appraiser Database for vacant land in unincorporated county

Site Development Cost

Site development cost includes costs associated with site clearing/preparation, landscaping, utilities, parking, etc. This cost was estimated at \$20,000 per acre in 2011. The most recent three projects completed by the County suggested an average cost of \$30,000 per acre, with a range of \$15,000 per acre to \$45,000 per acre. Given this information, an average site development cost of \$25,000 per acre is found to be a reasonable estimate for impact fee calculation purposes.