

February 28, 2017

Mr. Bart Fletcher
Public Utility Supervisor
Surveillance Section
Division of Accounting and Finance
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0820

Dear Mr. Fletcher:

Pursuant to Commission Rule 25-6.1352 please find enclosed Duke Energy Florida's Forecasted Earnings Surveillance Report for the calendar year 2017.

Should you have any questions, please do not hesitate to contact me at (727) 820-5653.

Sincerely,

Marcia Olivier

Director Rates & Regulatory Planning

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Attachment

xc: Mr. J. R. Kelly, Office of the Public Counsel

FLORIDA PUBLIC SERVICE COMMISSION ELECTRIC FORECASTED EARNINGS SURVEILLANCE REPORT

Company: Duke Energy Florida

Year 2017

		(1) Actual Per Books	_		(2) FPSC Adjustments	(3) FPSC Adjusted
I. AVERAGE RATE OF RETURN (Jurisdictional)						
NET OPERATING INCOME	\$	764,464,893	(a)	\$	(79,688,797) (b)	\$ 684,776,096
AVERAGE RATE BASE	\$	12,214,954,243		\$	(980,565,195)	\$ 11,234,389,048
AVERAGE RATE OF RETURN		6.26%	_			6.10%
(a) INCLUDES AFUDC EARNINGS			="			
(b) INCLUDES REVERSAL OF AFUDC EARNIN	NGS					
III. REQUIRED RATES OF RETURN AVERAGE CAPITAL STRUCTURE (FPSC ADJUSTED BASIS)						
LOW		6.13%	_			
MIDPOINT		6.57%	_			
HIGH		7.01%	_			
IV. FINANCIAL INTEGRITY INDICATORS						
A. TIE WITH AFUDC		4.25	_	(SY	STEM PER BOOK	S BASIS)
B. TIE WITHOUT AFUDC		3.96	-	(SY	STEM PER BOOK	S BASIS)
C. AFUDC TO NET INCOME		12.34%	-	(SY	STEM PER BOOK	S BASIS)
D. INTERNALLY GENERATED FUNDS		81.31%	-	(SY	STEM PER BOOK	S BASIS)
E. LTD TO TOTAL INVESTOR FUNDS		47.13%	-	(FF	SC ADJUSTED BA	SIS)
F. STD TO TOTAL INVESTOR FUNDS		0.39%	-	(FF	SC ADJUSTED BA	SIS)
G. RETURN ON COMMON EQUITY		9.40%	-	(FF	SC ADJUSTED BA	SIS)

DUKE ENERGY FLORIDA Average Rate of Return - Rate Base December 2017

	Plant in Service	Accum Depr & Amort	Net Plant in Service	Future Use & Appd Unrecov Plant	Const Work in Progress	Net Utility Plant	Working Capital	Total Average Rate Base
System Per Books Regulatory Base - Retail	\$15,510,021,068 \$14,084,125,858	\$5,329,681,441 \$4,954,027,791	\$10,180,339,626 \$9,130,098,067	\$129,900,746 \$112,605,761	\$1,547,223,251 \$1,373,456,306	\$11,857,463,624 \$10,616,160,134	\$1,650,146,199 \$1,598,794,109	\$13,507,609,823 \$12,214,954,243
FPSC Adjustments								
ARO	(18,605,135)	(16,069,948)	(2,535,187)			(2,535,187)	3,156,727	621,539
ECCR	(53,549,247)	(18,958,058)	(34,591,189)		(1,403)	(34,592,592)	(7,343,392)	(41,935,984)
ECRC	(193,983,909)	(21,522,148)	(172,461,761)		(16,879,021)	(189,340,781)	(6,847,662)	
FUEL	(26,275,484)	(26,193,617)	(81,867)		, , , ,	(81,867)	,	4,380,730
CCR	, , ,	, , , ,	,			, ,	(139,829,723)	(139,829,723)
NUCLEAR					(61,125)	(61,125)	(211,365,525)	(211,426,650)
Derivatives							638,441	638,441
Employee Related							381	381
Investments Earning a Return							(152,214,771)	(152,214,771)
Jobbing Accounts							(747,326)	(747,326)
Non-Regulated and Miscellaneous	(48,920,915)	(37,468,907)	(11,452,008)		(172)	(11,452,180)	99,601,854	88,149,674
Retention Accounts							1,412,323	1,412,323
CWIP - AFUDC					(1,091,207,995)	(1,091,207,995)		(1,091,207,995)
Imputed Off Balance Sheet Obligations							760,431,201	760,431,201
Capital Lease	(136,488,673)		(136,488,673)			(136,488,673)	133,840,082	(2,648,592)
Total FPSC Adjustments	(477,823,363)	(120,212,677)	(357,610,686)		(1,108,149,716)	(1,465,760,402)	485,195,207	(980,565,195)
FPSC Adjusted	\$13,606,302,495	\$4,833,815,114	\$8,772,487,381	\$112,605,761	\$265,306,590	\$9,150,399,732	\$2,083,989,316	\$11,234,389,048

DUKE ENERGY FLORIDA Average Rate of Return - Income Statement December 2017

	Operating	Fuel & Net	O&M Other	Depr & Amort	Taxes Other than	Income Taxes	Deferred Income	Investment Tax	Total Operating	Net Operating
	Revenues	Interchange	Odivi Otrici	Depi & Amort	Income	Current	Tax (Net)	Credit (Net)	Expenses	Income
System Per Books	\$4,492,048,804	\$1,808,214,624	\$790,152,261	\$483,765,526	\$347,848,241	(21,786,836)	\$335,417,190	(133,998)	\$3,743,477,008	\$748,571,797
Regulatory Base - Retail	\$4,251,300,620	\$1,733,097,728	\$746,481,835	\$449,883,805	\$334,335,596	(20,416,093)	\$314,313,458	(121,174)	\$3,557,575,155	\$693,725,466
FPSC Adjustments										
ECCR	(113,217,488)		(101,949,887)	(6,438,077)		(1,862,989)			(110,250,953)	(2,966,535)
ECRC	(56,122,117)		(41,649,359)	5,196,643	(987,385)	(7,206,588)			(44,646,689)	(11,475,428)
FUEL	(1,398,435,833)	(1,394,583,102)	(1,005,250)			(1,098,416)			(1,396,686,768)	(1,749,065)
CCR	(365,360,000)	(338,514,626)	(263,059)	(19,054,224)		(2,903,961)			(360,735,870)	(4,624,130)
NUCLEAR	(52,310,000)		(37,663)	(43,680,000)		(3,314,494)			(47,032,157)	(5,277,843)
CORPORATE AIRCRAFT ALLOCATION			(2,082,930)			803,490			(1,279,440)	1,279,440
FRANCHISE FEE & GROSS RECEIPTS	(196,662,571)					(75,862,587)			(75,862,587)	(120,799,984)
FRANCHISE FEES & GROSS REC TAX - TOI					(196,662,571)	75,862,587			(120,799,984)	120,799,984
INST./PROMOTIONAL ADVERTISING			(29,085)			11,220			(17,865)	17,865
MISCELLANEOUS INTEREST EXPENSE			124,405			(47,989)			76,416	(76,416)
REMOVE ASSOC/ORGANIZATION DUES			(25,617)			9,882			(15,735)	15,735
PARENT DEBT ADJUSTMENT						(14,502,240)			(14,502,240)	14,502,240
DIRECTORS & OFFICERS PREMIUM			(1,247,912)			481,382			(766,530)	766,530
INTEREST SYNCHRONIZATION - FPSC						(638,237)			(638,237)	638,237
Total FPSC Adjustments	(2,182,108,009)	(1,733,097,728)	(148,166,358)	(63,975,658)	(197,649,956)	(30,268,939)			(2,173,158,639)	(8,949,370)
FPSC Adjusted	2,069,192,611		598,315,477	385,908,147	136,685,639	(50,685,032)	314,313,458	(121,174)	1,384,416,515	684,776,096

(a) The addition of earnings from AFUDC charges would increase the System NOI by

(b) The addition of earnings from AFUDC charges would increase the Jurisdictional NOI by

79,689,238

70,739,427

Rate Base Adjustments	P=ProForma F=FPSC	System	Retail
ARO	F	621,539	621,539
ECCR	F	(43,413,859)	(41,935,984)
ECRC	F	(204,899,328)	(196,188,444)
FUEL	F	4,374,459	4,380,730
CCR	F	(140,759,906)	(139,829,723)
NUCLEAR	F	(207,317,507)	(211,426,650)
Derivatives	F	638,441	638,441
Employee Related	F	403	381
Investments Earning a Return	F	(155,699,222)	(152,214,771)
Jobbing Accounts	F	(790,692)	(747,326)
Non-Regulated and Miscellaneous	F	88,149,674	88,149,674
Retention Accounts	F	1,494,954	1,412,323
CWIP - AFUDC	F	(1,212,920,025)	(1,091,207,995)
Imputed Off Balance Sheet Obligations	F	818,680,305	760,431,201
Capital Lease - EPIS	F	(146,414,084)	(136,488,673)
Capital Lease - Working Capital	F	143,572,888	133,840,082
	Total	(1,054,681,960)	(980,565,195)

Income Statement Adjustments (to NOI)	P=ProForma	Syst	em	Retail		
income Statement Adjustments (to NOI)	F=FPSC	Amount	Income Tax Effect	Amount	Income Tax Effect	
ECCR	F	(4,663,231)	1,798,841	(4,829,524)	1,862,989	
ECRC	F	(16,393,680)	6,323,862	(18,682,016)	7,206,588	
FUEL	F	(2,970,898)	1,146,024	(2,847,481)	1,098,416	
CCR	F	(7,528,091)	2,903,961	(7,528,091)	2,903,961	
NUCLEAR	F	(8,592,337)	3,314,494	(8,592,337)	3,314,494	
CORPORATE AIRCRAFT ALLOCATION	F	2,234,400	(861,920)	2,082,930	(803,490	
FRANCHISE FEE & GROSS RECEIPTS	F	(196,662,571)	75,862,587	(196,662,571)	75,862,587	
FRANCHISE FEES & GROSS REC TAX - TOI	F	196,662,571	(75,862,587)	196,662,571	(75,862,587)	
INST./PROMOTIONAL ADVERTISING	F	31,200	(12,035)	29,085	(11,220)	
MISCELLANEOUS INTEREST EXPENSE	F	(133,452)	51,479	(124,405)	47,989	
REMOVE ASSOC/ORGANIZATION DUES	F	27,480	(10,600)	25,617	(9,882)	
PARENT DEBT ADJUSTMENT	F		16,000,000		14,502,240	
DIRECTORS & OFFICERS PREMIUM	F	1,338,660	(516,388)	1,247,912	(481,382	
INTEREST SYNCHRONIZATION - FPSC	F		934,688		638,237	
Total		(36,649,948)	31,072,406	(39,218,309)	30,268,939	

DUKE ENERGY FLORIDA
Average - Capital Structure
FPSC Adjusted Basis
December 2017

	System Per	Retail Per	Pro Rata	Specific	Adjusted	Сар	Low-	Point	Mid-Point		Mid-Point		High-	Point
	Books	Books	Adjustments	Adjustments	Retail	Ratio	Cost Rate	Weighted Cost	Cost Rate	Weighted Cost	Cost Rate	Weighted Cost		
Common Equity	\$5,159,879,108	\$4,658,114,899	(\$488,759,501)	\$724,270,371	\$4,893,625,769	43.56%	9.50%	4.14%	10.50%	4.57%	11.50%	5.01%		
Long Term Debt	5,438,436,425	4,909,584,353	(515,145,300)		4,394,439,053	39.12%	5.00%	1.96%	5.00%	1.96%	5.00%	1.96%		
Short Term Debt	44,774,835	40,420,777	(4,241,209)		36,179,568	0.32%	0.58%		0.58%		0.58%			
Customer Deposits														
Active	212,920,513	212,920,513	(22,340,995)		190,579,518	1.70%	2.27%	0.04%	2.27%	0.04%	2.27%	0.04%		
Inactive	1,699,500	1,699,500	(178,323)		1,521,178	0.01%								
Investment Tax Credits *	4,815,185	4,346,940	(456,109)		3,890,831	0.03%								
Deferred Income Taxes	2,871,715,797	2,592,460,377	(272,017,687)	(423,163,673)	1,897,279,017	16.89%								
FAS 109 DIT - Net	(226,631,539)	(204,593,117)	21,467,231		(183,125,886)	-1.63%								
Total	\$13,507,609,824	\$12,214,954,243	(\$1,281,671,892)	\$301.106.698	\$11,234,389,048	100.00%		6.13%		6.57%		7.01%		

FLORIDA PUBLIC SERVICE COMMISSION ELECTRIC FORECASTED EARNINGS SURVEILLANCE REPORT FINANCIAL INTEGRITY INDICATORS

Company: Duke Energy Florida

Year 2017

A. TIMES INTEREST EARNED WITH A	<u>FUDC</u>		D. PERCENT INTERNALLY GENERATED FUNDS		
EARNINGS BEFORE INTEREST	\$	807,078,653	NET INCOME	\$	560,889,531
AFUDC - DEBT		27,119,446	COMMON DIVIDENDS		-
INCOME TAXES		326,732,754	AFUDC (EQUITY)		(52,569,792)
TOTAL	\$ 1	,160,930,853	DEPRECIATION & AMORTIZATION		483,765,526
INTEREST CHARGES			DEFERRED INCOME TAXES		335,417,190
(BEFORE DEDUCTING AFUDC DEBT	Γ) <u>\$</u>	273,308,568	INVESTMENT TAX CREDITS		(133,998)
TIE WITH AFUDC		4.25	DEFERRED FUEL NET		68,242,992
B. TIMES INTEREST EARNED WITHOU	JT AFU	<u>DC</u>	OTHER FUNDS - INCLUDING CHANGE IN WORKING CAPITAL TOTAL FUNDS PROVIDED	\$	(231,401,433) 1,164,210,016
EARNINGS BEFORE INTEREST	\$	807,078,653	CONSTRUCTION EXPENDITURES	•	
AFUDC - EQUITY		(52,569,792)	(EXCLUDING AFUDC EQUITY & DEBT)	\$	1,431,786,010
INCOME TAXES TOTAL	<u>Ф 1</u>	326,732,754	PERCENTAGE INTERNALLY GENERATED FUNDS		04 240/
INTEREST CHARGES	φТ	,081,241,615	PERCENTAGE INTERNALLY GENERATED FUNDS		81.31%
(BEFORE DEDUCTING AFUDC DEBT	Γ) \$	273,308,568	E. LONG TERM DEBT AS A PERCENT OF TOTAL INVESTOR CA	<u>PITAL</u>	
TIE WITHOUT AFUDC		3.96			
			F. SHORT TERM DEBT AS A PERCENT OF TOTAL INVESTOR C.	<u>APITAL</u>	:
C. PERCENT AFUDC TO NET INCOME	AVAIL	<u>ABLE</u>			
FOR COMMON STOCKHOLDERS			RECONCILED AVERAGE RETAIL AMOUNTS		
			LONG TERM DEBT	\$	4,394,439,053
AFUDC DEBT	\$	27,119,446	SHORT TERM DEBT		36,179,568
X (1- INCOME TAX RATE)		0.61425	COMMON EQUITY		4,893,625,769
SUBTOTAL	\$	16,658,120	TOTAL	\$	9,324,244,390
AFUDC -EQUITY	\$	52,569,792			
TOTAL	\$	69,227,912	% LONG TERM DEBT TO TOTAL		47.13%
NET INCOME AVAILABLE FOR					
COMMON STOCKHOLDERS	\$	560,889,531	% SHORT TERM DEBT TO TOTAL		0.39%
PERCENT AFUDC TO AVAILABLE					
NET INCOME		12.34%	G. FPSC ADJUSTED AVERAGE JURISDICTIONAL RETURN		
			ON COMMON EQUITY		
			FPSC AVERAGE		
			EARNED RATE OF RETURN		6.10%
			LESS RETAIL WEIGHTED AVERAGE COST RATES FOR:		
			LONG TERM DEBT		1.96%
			SHORT TERM DEBT		0.00%
			CUSTOMER DEPOSITS		0.04%
			DEFERRED INCOME TAXES		
			INVESTMENT TAX CREDITS		
			DEFERRED INCOME TAX (FAS 109)		
			SUBTOTAL		2.00%
			TOTAL		4.10%
			DIVIDED BY COMMON EQUITY RATIO		43.56%
			JURISDICTIONAL RETURN ON COMMON EQUITY		9.40%

FLORIDA PUBLIC SERVICE COMMISSION ELECTRIC FORECASTED EARNINGS SURVEILLANCE REPORT FORECAST ASSUMPTIONS

Company: Duke Energy Florida

Year 2017

FORECAST ASSUMPTIONS		
	Forecast Year	Prior Year Actual
Retail Customers		
Residential	1,576,298	1,543,967
Commercial	174,287	170,999
Industrial	2,141	2,178
Other	26,202	25,992
Total	1,778,928	1,743,137
Retail mWh Sales		
Residential	19,883,963	20,117,509
Commercial	11,967,086	12,013,714
Industrial	3,174,128	3,189,997
Other	3,153,134	3,195,831
Total	38,178,311	38,517,051

OTHER MAJOR FORECAST ASSUMPTIONS

Revenues

Retail revenues are based on the 2017 budget plan. 2016 actual mWh sales include 777 mWh sales due to weather. Weather normalized retail sales mWh's are expected to be higher in 2017 than 2016. Total wholesale mWh sales are budgeted at 1.1 million mWhs.

Operation and Maintenance Expenses

Total base recoverable O&M expenses are budgeted at \$645 million. FUEL, ECCR, and ECRC expenses are budgeted at \$1,808 million, \$102 million, and \$43 million, respectively.

Depreciation Expense

Depreciation expense is based on rates effective 1/1/2010 per Order PSC-10-0131-FOF-EI.

Fossil Dismantlement

Retail fossil dismantlement expense is based on rates effective 1/1/2010 per Order PSC-10-0131-FOF-EI. Wholesale fossil dismantlement expense is based on settlement rates effective 1/1/1995.

Crystal River 3 (CR3)

Consistent with Revised and Restated Stipulation and Settlement Agreement approved in Order No. PSC 13-0598-FOF-EI, a specific adjustment was made to remove CR3 from the deferred income tax liability in capital structure. The CR3 Regulatory Asset was securitized June 2016.

Financing Activity

The budget has a \$900 million debt issuance in January and no dividend contribution in 2017.

Deferred Income Taxes

The 2017 budget includes bonus tax depreciation expense of \$496 million.

Off Balance Sheet Obligations

Pursuant to the Settlement Agreement approved in Order No. PSC-13-0598-FOF-EI, a specific adjustment was made to common equity and working capital for off-balance sheet obligations in the amount of \$818.7 million (system).

I am the person responsible for preparation of this document and I am aware to	hat Section 837 DK. Florida Statutes, provides:						
Who ever knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his official duty shall be guilty of a							
misdemeanor of the second degree, punishable as provided in sec. 775.082 or sec. 775.083.							
Marcia Olivier	Marcia Olyres						
Name	Signature						
Director Rates & Regulatory Planning - FL	2/28/17						
Title	Date						

FLORIDA PUBLIC SERVICE COMMISSION ELECTRIC FORECASTED EARNINGS SURVEILLANCE REPORT Construction Projects Exceeding \$10,000,000 in Accordance with Rule 25-6.0141(8)

Company: Duke Energy Florida

Year 2017

		25-6.0141(8)(a)	25-6.0141(8)(b)	25-6.0141(8)(c)	25-6.0141(8)(d)
	Project Name	Project Description	Estimated Total cost of the Project (excl. AFUDC)	Estimated Construction commencement Date	Estimated In-Service Date
1.	Customer Information System	New Customer Information System	\$201,670,000	Jan 2017	Mar 2021
2.	Crystal River to Bronson	Crystal River to Bronson - 230 kV Line Rebuild	\$114,000,000	Jul 2017	May 2021
3.	CR East Sub to Williston	Powerline (New CR East Area) Sub to Williston - New 230 kV Line	\$90,000,000	Oct 2017	May 2022
4.	Crawfordville to Carrabelle Rebuild	Crawfordville to Carrabelle Rebuild (31.7 Miles)	\$45,000,000	Jul 2017	May 2022
5.	Brookridge to Twin County Ranch	Brookridge to Twin County Ranch – 115 kV Line Rebuild	\$37,500,000	Jul 2017	May 2021
6.	Disston to Fortieth St	Disston to Fortieth Street - New 230kV Line	\$36,500,000	Oct 2017	Nov 2021
7.	Brookridge	Brookridge - Install New 500/230 kV Banks and Spare	\$30,309,642	Jul 2017	Nov 2021
8.	FtWhite-Perry	FtWhite-Perry 115kV ckt (added to FP-69kV)	\$30,000,000	Apr 2017	May 2019
9.	New Highlands County	New Highlands County - Build New 230 kV Sub	\$30,000,000	Jul 2017	Nov 2020
10.	Disston to Largo	Disston to Largo – New 230 kV Line	\$26,250,000	Oct 2017	May 2021
11.	Crawfordville to Carrabelle	Crawfordville to Carrabelle -115kV	\$25,000,000	Oct 2017	May 2022
12.	DeLand	DeLand – 115 kV Conversion and New Line to DeLand East	\$25,000,000	Oct 2017	May 2022
13.	Suwannee Solar Facility	Construct new Solar PV Facility to generate 8.8 Mwac	\$18,160,000	Mar 2017	Dec 2017
14.	Alapaha Substation	Alapaha New 115/13kv Substation nad Line	\$13,000,000	Apr 2017	Nov 2018
15.	Cross City to Old Town N	Cross City to Old Town North – 69 kV Line Rebuild	\$12,000,000	Jul 2017	May 2021
16.	Fort White	Fort White 230/115kV transformer	\$12,000,000	Jul 2017	May 2019
17.	Andersen to Wildwood	Andersen to Wildwood City Tap - 69 kV Line Rebuild	\$11,000,000	Oct 2017	May 2020
18.	Casselberry to Winter Park E	Casselberry to Winter Park East - 69 kV Line Rebuild	\$11,000,000	Oct 2017	May 2021