Matthew R. Bernier Associate General Counsel Duke Energy Florida, LLC

October 10, 2017

VIA ELECTRONIC FILING

Ms. Carlotta Stauffer, Commission Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, Florida 32399-0850

Re: Environmental Cost Recovery Clause; Docket No. 20170007-EI

Dear Ms. Stauffer:

On behalf of Duke Energy Florida, LLC ("DEF"), please find attached for electronic filing DEF's Revised Exhibit CAM-5, to the Direct Testimony of Christopher A. Menendez filed on September 1, 2017 in the above referenced docket. The revised Forms are 42-1P, 2P, 5P-p23, and 7P.

Please replace Exhibit CAM-5 filed on September 1, 2017, document no. 0745-2017, with the enclosed Revised Exhibit CAM-5.

Thank you for your assistance in this matter. Please feel free to call me at (850) 521-1428 should you have any questions concerning this filing.

Respectfully,

<u>s/Matthew R. Bernier</u> Matthew R. Bernier Associate General Counsel <u>Matthew.Bernier@duke-energy.com</u>





Duke Energy Florida, LLC Docket No.: 20170001 CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 10th day of October, 2017.

electronic man to the following this 10° day of 0	October, 2017.
	s/Matthew R. Bernier
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Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 1 of 48

DUKE ENERGY FLORIDA, LLC Environmental Cost Recovery Clause Commission Forms 42-1P Through 42-8P

January 2018 - December 2018 Calculation of Projected Period Amount

Docket No. 20170007-EI

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 2 of 48

Form 42-1P

Line		Energy (\$)	Transmission Demand (\$)	Distribution Demand (\$)	Production Demand (\$)	Total (\$)
1 T	otal Jurisdictional Rev Req for the Projected Period					
а	Projected O&M Activities (Form 42-2P, Lines 7 through 9)	\$34,192,944	\$279,336	\$298,934	\$364,167	\$35,135,381
b	Projected Capital Projects (Form 42-3P, Lines 7 through 9)	23,820,195	0	1,217	3,829,355	27,650,767
С	Total Jurisdictional Rev Req for the Projected Period (Lines 1a + 1b)	58,013,140	279,336	300,151	4,193,522	62,786,148
2	True-up for Estimated Over/(Under) Recovery for the Current Period January 2017 - December 2017					
	(Form 42-2E, Line 5 + 6 + 10)	1,905,308	(87,324)	(150,412)	83,444	1,751,015
3	Final True-up for the Period January 2016 - December 2016 (Form 42-1A, Line 3)	1,135,507	28,907	9,308	92,770	1,266,492
4	Total Jurisdictional Amount to Be Recovered/(Refunded) in the Projection Period January 2018 - December 2018 (Line 1 - Line 2 - Line 3)	54,972,325	337,753	441,254	4,017,308	59,768,641
5	Total Projected Jurisdictional Amount Adjusted for Taxes (Line 4 x Revenue Tax Multiplier of 1.00072)	\$55,011,905	\$337,997	\$441,572	\$4,020,201	\$59,811,674

DUKE ENERGY FLORIDA, LLC Environmental Cost Recovery Clause **Calculation of Projection Amount** January 2018 - December 2018 Revised **O&M** Activities (in Dollars)

		Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	End of Period
Line	Description	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
1	O&M Activities - System													
	1 Transmission Substation Environmental Investigation, Remediation and Pollution Prevention	\$33,158	\$33,158	\$33,158	\$33,158	\$33,158	\$33 <i>,</i> 158	\$33,158	\$33,158	\$33,158	\$33,158	\$33,158	\$33,158	\$397,896
	1a Distribution Substation Environmental Investigation, Remediation and Pollution Prevention	23,742	23,742	23,742	23,742	23,742	23,742	23,742	23,742	23,742	23,742	23,742	23,742	284,904
	2 Distribution System Environmental Investigation, Remediation and Pollution Prevention	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	15,000
	 3 Pipeline Integrity Management - Bartow/Anclote Pipeline - Intm 4 Above Ground Tank Secondary Containment - Peaking 	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 SO2/NOx Emissions Allowances - Energy	2,997	2,644	4,428	1,797	2,146	2,096	2,282	2,335	2,161	1,552	826	612	25,876
	6 Phase II Cooling Water Intake 316(b) - Base	0	38,700	0	38,700	_)_ ! 0	38,700	0	38,700	0	38,700	0	38,700	232,200
	6a Phase II Cooling Water Intake 316(b) - Intm	0	2,100	0	2,100	0	2,100	0	2,100	0	2,100	0	2,100	12,600
	7.2 CAIR/CAMR - Peaking	0	0	0	0	0	0	0	0	0	0	0	0	0
	7.4 CAIR/CAMR Crystal River - Base	1,144,797	1,365,655	2,304,671	1,120,298	1,177,303	1,136,150	1,142,801	1,225,716	1,193,901	1,214,580	1,245,242	1,128,832	15,399,946
	7.4 CAIR/CAMR Crystal River - Energy	1,463,015	1,316,369	1,245,854	1,422,782	1,558,036	1,666,020	1,697,045	1,746,415	1,618,491	1,560,703	1,266,250	1,068,273	17,629,254
	7.4 CAIR/CAMR Crystal River - A&G	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	153,121
	7.4 CAIR/CAMR Crystal River - Conditions of Certification - Energy	0	0	0	0	0	0	0	0	0	0	247,500	247,500	495,000
	 7.5 Best Available Retrofit Technology (BART) - Energy 8 Arsenic Groundwater Standard - Base 	0	25,000	0	25,000	0	25,000	0	25,000	25,000	0	25,000	0	150,000
	9 Sea Turtle - Coastal Street Lighting - Distrib	0	23,000	0	23,000	0	100	100	50	50	50	23,000	0	350
	11 Modular Cooling Towers - Base	0	0	0	0	0	0	0	0	0	0	0	0	0
	12 Greenhouse Gas Inventory and Reporting - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
	13 Mercury Total Daily Maximum Loads Monitoring - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
	14 Hazardous Air Pollutants (HAPs) ICR Program - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 Effluent Limitation Guidelines ICR Program - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
	15.1 Effluent Limitation Guidelines Program CRN - Energy	0	0	0	0	0	0	0	0	0	0	0	0	0
	16 National Pollutant Discharge Elimination System (NPDES) - Energy	0 49,870	0 49,870	0 49,870	9,500 49,870	4,410 49,870	7,000 49,870	0 40.870	0 49,870	0 49,870	0 49,870	4,410 49,870	7,000 49,870	32,320 598,440
	 Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy Mercury & Air Toxic Standards (MATS) Anclote Gas Conversion - Energy 	49,870	49,870	49,870	49,870	49,870 0	49,870	49,870 0	49,870 0	49,870	49,870	49,870	49,870	598,440 0
	17.2 Mercury & Air Toxic Standards (MATS) Anciote Gas conversion - Energy 17.2 Mercury & Air Toxic Standards (MATS) CR1 & CR2 - Energy	167,375	167,375	167,375	167,375	167,375	167,375	90,688	90,688	90,688	90,688	90,688	90,688	1,548,376
	18 Coal Combustion Residual (CCR) Rule - Energy	27,250	12,250	17,625	28,750	27,070	20,950	33,750	40,870	38,425	32,250	37,250	34,750	351,190
2	Total O&M Activities - Recoverable Costs	\$2,926,214	\$3,050,874	\$3,860,732	\$2,937,081	\$3,057,119	\$3,186,271	\$3,087,446	\$3,292,654	\$3,089,496	\$3,061,404	\$3,037,946	\$2,739,235	\$37,326,472
3	Recoverable Costs Allocated to Energy	1,710,507	1,548,509	1,485,151	1,680,073	1,808,906	1,913,311	1,873,635	1,930,178	1,799,635	1,735,063	1,696,794	1,498,693	20,680,456
4														
4	Recoverable Costs Allocated to Demand - Transm Recoverable Costs Allocated to Demand - Distrib	33,158 24,992	33,158 24,992	33,158 24,992	33,158 24,992	33,158 24,992	33,158 25,092	33,158 25,092	33,158 25,042	33,158 25,042	33,158 25,042	33,158 24,992	33,158 24,992	397,896 300,254
	Recoverable Costs Allocated to Demand - Prod-Base	1,144,797	1,429,355	2,304,671	1,183,998	1,177,303	1,199,850	1,142,801	1,289,416	1,218,901	1,253,280	1,270,242	1,167,532	15,782,146
	Recoverable Costs Allocated to Demand - Prod-Intm	0	2,100	0	2,100	0	2,100	0	2,100	0	2,100	0	2,100	12,600
	Recoverable Costs Allocated to Demand - Prod-Peaking	0	0	0	0	0	0	0	0	0	0	0	0	0
	Recoverable Costs Allocated to Demand - A&G	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	12,760	153,121
5	Retail Energy Jurisdictional Factor	0.96768	0.96387	0.95792	0.92911	0.92672	0.94148	0.95753	0.95894	0.96237	0.96434	0.97011	0.96130	
6	Retail Transmission Demand Jurisdictional Factor	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	0.70203	
	Retail Distribution Demand Jurisdictional Factor	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	
	Retail Production Demand Jurisdictional Factor - Base	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
	Retail Production Demand Jurisdictional Factor - Intm	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
	Retail Production Demand Jurisdictional Factor - Peaking	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
	Retail Production Demand Jurisdictional Factor - A&G	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	0.93221	
7	Jurisdictional Energy Recoverable Costs (A)	1,655,220	1,492,554	1,422,657	1,560,979	1,676,341	1,801,335	1,794,061	1,850,926	1,731,913	1,673,199	1,646,084	1,440,695	19,745,964
8	Jurisdictional Demand Recoverable Costs - Transm (B)	23,278	23,278	23,278	23,278	23,278	23,278	23,278	23,278	23,278	23,278	23,278	23,278	279,336
	Jurisdictional Demand Recoverable Costs - Distrib (B)	24,882	24,882	24,882	24,882	24,882	24,982	24,982	24,932	24,932	24,932	24,882	24,882	298,934
	Jurisdictional Demand Recoverable Costs - Prod-Base (B)	1,063,345	1,327,657	2,140,693	1,099,756	1,093,538	1,114,480	1,061,491	1,197,674	1,132,176	1,164,109	1,179,864	1,084,462	14,659,245
	Jurisdictional Demand Recoverable Costs - Prod-Intm (B)	0	1,527	0	1,527	0	1,527	0	1,527	0	1,527	0	1,527	9,162
	Jurisdictional Demand Recoverable Costs - Prod-Peaking (B)	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jurisdictional Demand Recoverable Costs - A&G (B)	11,895	11,895	11,895	11,895	11,895	11,895	11,895	11,895	11,895	11,895	11,895	11,895	142,740
9	Total Jurisdictional Recoverable Costs - O&M Activities (Lines 7 + 8)	\$2,778,620	\$2,881,793	\$3,623,405	\$2,722,317	\$2,829,934	\$2,977,497	\$2,915,707	\$3,110,232	\$2,924,194	\$2,898,940	\$2,886,003	\$2,586,739	\$35,135,381

Notes:

(A) Line 3 x Line 5 (B) Line 4 x Line 6

Form 42-2P

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 3 of 48

Capital Investment Projects-Recoverable Costs (in Dollars)

Line	Description	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1 Inve	estment Projects - System (A)													
3.1	Pipeline Integrity Management - Bartow/Anclote Pipeline - Intm	\$57,873	\$57,468	\$57,065	\$56,663	\$56,261	\$55 <i>,</i> 858	\$55,456	\$55,052	\$54,649	\$54,246	\$53,842	\$53,440	\$667,875
4.1	Above Ground Tank Secondary Containment - Peaking	136,495	135,904	135,308	134,713	134,119	133,523	132,933	132,337	131,742	131,149	130,554	129,962	1,598,739
4.2	Above Ground Tank Secondary Containment - Base	22,889	22,864	22,839	22,816	22,791	22,767	22,743	22,718	22,693	22,669	22,644	22,620	273,053
4.3	Above Ground Tank Secondary Containment - Intm	2,479	2,475	2,472	2,467	2,463	2,459	2,454	2,450	2,446	2,441	2,437	2,434	29,477
5	SO2/NOX Emissions Allowances - Energy	26,483	26,462	26,433	26,407	26,392	26,375	26,357	26,338	26,320	26,305	26,296	26,290	316,458
6	Phase II Cooling Water Intake 316(b) - Base	34,204	15,156	16,519	18,108	19,697	20,605	20,832	21,059	22,194	24,351	26,167	26,961	265,853
7.1	CAIR/CAMR Anclote- Intm	0	0	0	0	0	0	0	0	0	0	0	0	0
7.2	CAIR/CAMR - Peaking	19,602	19,549	19,496	19,441	19,390	19,333	19,283	19,230	19,174	19,122	19,065	19,013	231,698
7.3	CAMR Crystal River - Base	0	0	0	0	0	0	0	0	0	0	0	0	C
7.4	CAIR/CAMR Crystal River AFUDC - Base	268,657	308,420	369,321	423,826	454,159	480,742	505,188	527,193	545,354	558,882	661,736	671,760	5,775,238
7.4	CAIR/CAMR Crystal River AFUDC - Energy	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	122,721
7.5	Best Available Retrofit Technology (BART) - Energy	0	0	0	0	0	0	0	0	0	0	0	0	C
9	Sea Turtle - Coastal Street Lighting -Distrib	102	102	101	101	101	101	101	102	102	103	103	103	1,222
10.1	Underground Storage Tanks - Base	1,434	1,432	1,429	1,427	1,425	1,423	1,420	1,418	1,415	1,413	1,410	1,408	17,054
10.2	2 Underground Storage Tanks - Intm	663	661	659	658	656	654	653	651	649	648	646	645	7,843
11	Modular Cooling Towers - Base	0	0	0	0	0	0	0	0	0	0	0	0	C
11.1	Crystal River Thermal Discharge Compliance Project - Base (Post 2012)	0	0	0	0	0	0	0	0	0	0	0	0	C
11.1	Crystal River Thermal Discharge Compliance Project - Base (2012)	0	0	0	0	0	0	0	0	0	0	0	0	(
15.1	Effluent Limitation Guidelines CRN (ELG) - Base	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	23,472
16	National Pollutant Discharge Elimination System (NPDES) - Intm	139,200	138,912	138,625	138,338	138,051	137,763	137,476	137,189	136,901	136,614	136,327	136,039	1,651,435
17	Mercury & Air Toxic Standards (MATS) CR4 & CR5 - Energy	34,687	34,634	34,581	34,528	34,475	34,422	34,369	34,316	34,263	34,211	34,157	34,104	412,751
17.1	Mercury & Air Toxic Standards (MATS) Anclote Gas Conversion - Energy	1,306,151	1,304,199	1,302,246	1,300,295	1,298,342	1,296,389	1,294,438	1,292,485	1,290,533	1,288,581	1,286,628	1,284,676	15,544,957
17.2	Mercury & Air Toxic Standards (MATS) CR1 & CR2 - Energy	227,601	227,037	226,475	225,911	225,347	224,785	224,221	223,659	223,095	222,532	221,969	221,405	2,694,042
18	Coal Combustion Residual (CCR) Rule - Base	3,516	3,515	3,513	3,512	3,625	3,854	4,083	4,312	4,425	4,424	4,423	4,421	47,623
2 Tota	al Investment Projects - Recoverable Costs	\$2,294,219	\$2,310,973	\$2,369,265	\$2,421,394	\$2,449,477	\$2,473,236	\$2,494,190	\$2,512,692	\$2,528,138	\$2,539,874	\$2,640,587	\$2,647,464	\$29,681,511
3 Reco	overable Costs Allocated to Energy	1,605,149	1,602,559	1,599,962	1,597,368	1,594,783	1,592,198	1,589,612	1,587,025	1,584,438	1,581,856	1,579,277	1,576,702	19,090,929
	overable Costs Allocated to Distribution Demand	102	102	101	101	101	101	101	102	102	103	103	103	1,222
														,
4 Reco	overable Costs Allocated to Demand - Production - Base	332,656	353,343	415,577	471,645	503,653	531,347	556,222	578,656	598,037	613,695	718,336	729,126	6,402,293
Reco	overable Costs Allocated to Demand - Production - Intermediate	200,215	199,516	198,821	198,126	197,431	196,734	196,039	195,342	194,645	193,949	193,252	192,558	2,356,630
Reco	overable Costs Allocated to Demand - Production - Peaking	156,097	155,453	154,804	154,154	153,509	152,856	152,216	151,567	150,916	150,271	149,619	148,975	1,830,437
5 Reta	ail Energy Jurisdictional Factor	0.96768	0.96387	0.95792	0.92911	0.92672	0.94148	0.95753	0.95894	0.96237	0.96434	0.97011	0.96130	
	ail Distribution Demand Jurisdictional Factor	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	
6 Doto	ail Demand Jurisdictional Factor - Production - Base	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
	ail Demand Jurisdictional Factor - Production - Intermediate	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
кета	ail Demand Jurisdictional Factor - Production - Peaking	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
7 Juris	sdictional Energy Recoverable Costs (B)	1,553,267	1,544,651	1,532,636	1,484,136	1,477,909	1,499,015	1,522,101	1,521,862	1,524,814	1,525,455	1,532,079	1,515,685	18,233,612
Juris	sdictional Demand Recoverable Costs - Distribution (B)	102	102	101	101	101	101	101	102	102	103	103	103	1,217
8 luria	sdictional Demand Recoverable Costs - Production - Base (C)	308,988	328,203	386,009	438,087	467,818	493,542	516,647	537,485	555,487	570,031	667,226	677,249	5,946,770
	sdictional Demand Recoverable Costs - Production - Dase (C)	145,562	145,054	144,549	144,044	143,538	143,032	142,526	142,020	141,513	141,007	140,500	139,996	1,713,341
	sdictional Demand Recoverable Costs - Production - Mernediate (C)	149,734	149,117	144,549	144,044	143,338	146,626	142,320	142,020	141,515	144,146	140,500	142,903	1,755,828
Juils	$\frac{1}{2} = \frac{1}{2} = \frac{1}$	143,734	173,11/	1+0,434	1+/,0/1	147,232	140,020	140,012	£06,6+1	144,703	144,140	1+3,321	172,303	1,733,020

Notes:

(A) Each project's Total System Recoverable Expenses on Form 42-4P, Line 9; Form 42-4P, Line 5 for Projects 5 - Emission Allowances and Project 7. 4 - Reagents.

(B) Line 3 x Line 5

(C) Line 4 x Line 6

Form 42-3P

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 4 of 48

Return on Capital Investments, Depreciation and Taxes For Project: PIPELINE INTEGRITY MANAGEMENT - Bartow/Anclote Pipeline - Intermediate (Project 3.1) (in Dollars)

Line	Description	Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3	Less: Accumulated Depreciation (A)	\$0	0	0	0	0	0	0	0	0	0	0	0	0	
3a	Regulatory Asset Balance (G)	1,000,345	950,327	900,310	850,293	800,276	750,259	700,242	650,224	600,207	550,190	500,173	450,156	400,139	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$1,000,345	\$950,328	\$900,310	\$850,293	\$800,276	\$750,259	\$700,242	\$650,225	\$600,207	\$550,190	\$500,173	\$450,156	\$400,139	
6	Average Net Investment		\$975,336	\$925,319	\$875,302	\$825,285	\$775,268	\$725,250	\$675,233	\$625,216	\$575,199	\$525,182	\$475,165	\$425,147	
7	Return on Average Net Investment (B)														
	a. Debt Component 2.02%		1,641	1,555	1,472	1,387	1,304	1,220	1,136	1,051	967	883	798	715	14,129
	b. Equity Component Grossed Up For Taxes 7.65%		6,215	5,896	5,576	5,259	4,940	4,621	4,303	3,984	3,665	3,346	3,027	2,708	53,540
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization (G)		50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	50,017	600,206
	c. Dismantlement		N/A												
	d. Property Taxes (D)		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other (A)	-	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$57,873	\$57 <i>,</i> 468	\$57,065	\$56,663	\$56,261	\$55,858	\$55,456	\$55,052	\$54,649	\$54,246	\$53 <i>,</i> 842	\$53,440	\$667,875
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$57,873	\$57,468	\$57,065	\$56,663	\$56,261	\$55,858	\$55,456	\$55,052	\$54,649	\$54,246	\$53,842	\$53,440	\$667,875
10	Energy Jurisdictional Factor		N/A												
11	Demand Jurisdictional Factor - Production (Intermediate)		0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		42,076	41,781	41,488	41,196	40,904	40,611	40,318	40,025	39,732	39,439	39,145	38,853	485,565
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)	-	\$42,076	\$41,781	\$41,488	\$41,196	\$40,904	\$40,611	\$40,318	\$40,025	\$39,732	\$39,439	\$39,145	\$38,853	\$485,565

Notes:

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EL (C) N/A

(D) N/A

(A) N/A

(E) Line 9a x Line 10

(F) Line 9b x Line 11

(G) Projects 3.1b, 3.1c, and 3.1d amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI. Project 3.1a retired June 2017, and will be amortized over 26 months as described in DEF Witness Menendez's testimony filed 8/4/2017.

Form 42-4P Page 1 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 5 of 48

Return on Capital Investments, Depreciation and Taxes For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Peaking (Project 4.1) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments															
	a. Expenditures/Additions			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements			0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	\$9,235,204	
3	Less: Accumulated Depreciation		(\$3,073,864)	(\$3,101,933)	(\$3,130,002)	(\$3,158,071)	(\$3,186,140)	(\$3,214,209)	(\$3,242,278)	(\$3,270,347)	(\$3,298,416)	(\$3,326,485)	(\$3,354,554)	(\$3,382,623)	(\$3,410,692)	
3a	Regulatory Asset Balance (G)		685,616	639,909	594,202	548,495	502,788	457,081	411,374	365,667	319,960	274,253	228,546	182,839	137,132	
4	CWIP - Non-Interest Bearing	_	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	-	\$6,846,956	\$6,773,180	\$6,699,404	\$6,625,628	\$6,551,852	\$6,478,076	\$6,404,300	\$6,330,524	\$6,256,748	\$6,182,972	\$6,109,196	\$6,035,420	\$5,961,644	
6	Average Net Investment			\$6,810,068	\$6,736,292	\$6,662,516	\$6,588,740	\$6,514,964	\$6,441,188	\$6,367,412	\$6,293,636	\$6,219,860	\$6,146,084	\$6,072,308	\$5,998,532	
7	Return on Average Net Investment (B)															
	a. Debt Component	2.02%		11,449	11,328	11,202	11,079	10,954	10,829	10,707	10,582	10,458	10,335	10,209	10,087	129,219
	b. Equity Component Grossed Up For Taxes	7.65%		43,394	42,924	42,454	41,982	41,513	41,042	40,574	40,103	39,632	39,162	38,693	38,223	489,696
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C)			28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	28,069	336,828
	b. Amortization (G)			45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	45,707	548,484
	c. Dismantlement			0	0	0	0	0	0	0	0	0	0	0	0	N/A
	d. Property Taxes (D)			7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	7,876	94,512
	e. Other		_	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)			\$136,495	\$135,904	\$135,308	\$134,713	\$134,119	\$133,523	\$132,933	\$132,337	\$131,742	\$131,149	\$130,554	\$129,962	\$1,598,739
	a. Recoverable Costs Allocated to Energy			0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand			\$136,495	\$135,904	\$135,308	\$134,713	\$134,119	\$133,523	\$132,933	\$132,337	\$131,742	\$131,149	\$130,554	\$129,962	\$1,598,739
10	Energy Jurisdictional Factor			N/A												
11	Demand Jurisdictional Factor - Production (Peaking)			0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	
12	Retail Energy-Related Recoverable Costs (E)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)			130,931	130,365	129,793	129,222	128,652	128,081	127,515	126,943	126,372	125,803	125,233	124,665	1,533,574
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)			\$130,931	\$130,365	\$129,793	\$129,222	\$128,652	\$128,081	\$127,515	\$126,943	\$126,372	\$125,803	\$125,233	\$124,665	\$1,533,574

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Depreciation calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2010 Rate Case Order PSC-2010-0131-FOF-EI. (D) Property tax calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

(G) Project 4.1a amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.

Form 42-4P Page 2 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 6 of 48

Return on Capital Investments, Depreciation and Taxes For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Base (Project 4.2) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments															
	a. Expenditures/Additions			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements			0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	\$2,399,039	
3	Less: Accumulated Depreciation		27,233	24,201	21,169	18,137	15,105	12,073	9,041	6,009	2,977	(55)	(3,087)	(6,119)	(9,151)	
4	CWIP - Non-Interest Bearing		0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)		\$2,426,272	\$2,423,240	\$2,420,208	\$2,417,176	\$2,414,144	\$2,411,112	\$2,408,080	\$2,405,048	\$2,402,016	\$2,398,984	\$2,395,952	\$2,392,920	\$2,389,888	
6	Average Net Investment			\$2,424,756	\$2,421,724	\$2,418,692	\$2,415,660	\$2,412,628	\$2,409,596	\$2,406,564	\$2,403,532	\$2,400,500	\$2,397,468	\$2,394,436	\$2,391,404	
7	Return on Average Net Investment (B)															
	a. Debt Component	2.02%		4,077	4,072	4,066	4,062	4,057	4,052	4,047	4,042	4,036	4,031	4,026	4,021	48,589
	b. Equity Component Grossed Up For Taxes	7.65%		15,451	15,431	15,412	15,393	15,373	15,354	15,335	15,315	15,296	15,277	15,257	15,238	184,132
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C)			3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	3,032	36,384
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			0	0	0	0	0	0	0	0	0	0	0	0	N/A
	d. Property Taxes (D)			329	329	329	329	329	329	329	329	329	329	329	329	3,948
	e. Other		-	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)			\$22,889	\$22,864	\$22,839	\$22,816	\$22,791	\$22,767	\$22,743	\$22,718	\$22,693	\$22,669	\$22,644	\$22,620	\$273,053
	a. Recoverable Costs Allocated to Energy			0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand			\$22,889	\$22,864	\$22,839	\$22,816	\$22,791	\$22,767	\$22,743	\$22,718	\$22,693	\$22,669	\$22,644	\$22,620	\$273,053
10	Energy Jurisdictional Factor			N/A												
11	Demand Jurisdictional Factor - Production (Base)			0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)			21,260	21,237	21,214	21,193	21,169	21,147	21,125	21,102	21,078	21,056	21,033	21,011	253,625
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		_	\$21,260	\$21,237	\$21,214	\$21,193	\$21,169	\$21,147	\$21,125	\$21,102	\$21,078	\$21,056	\$21,033	\$21,011	\$253,625

Notes:

(A) N/A (B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Depreciation calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2010 Rate Case Order PSC-2010-0131-FOF-EI. (D) Property tax calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost. (E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 3 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 7 of 48

Return on Capital Investments, Depreciation and Taxes For Project: ABOVE GROUND TANK SECONDARY CONTAINMENT - Intermediate (Project 4.3) (in Dollars)

Line	Description	Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	\$290,297	
3	Less: Accumulated Depreciation	(\$72,786)	(73,311)	(73,836)	(74,361)	(74,886)	(75,411)	(75,936)	(76,461)	(76,986)	(77,511)	(78,036)	(78,561)	(79,086)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2+ 3 + 4)	\$217,512	\$216,987	\$216,462	\$215,937	\$215,412	\$214,887	\$214,362	\$213,837	\$213,312	\$212,787	\$212,262	\$211,737	\$211,212	
6	Average Net Investment		\$217,249	\$216,724	\$216,199	\$215,674	\$215,149	\$214,624	\$214,099	\$213,574	\$213,049	\$212,524	\$211,999	\$211,474	
7	Return on Average Net Investment (B)														
	a. Debt Component 2.02%		365	364	364	363	362	361	360	359	358	357	356	356	4,325
	b. Equity Component Grossed Up For Taxes 7.65%		1,384	1,381	1,378	1,374	1,371	1,368	1,364	1,361	1,358	1,354	1,351	1,348	16,392
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C)		525	525	525	525	525	525	525	525	525	525	525	525	6,300
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A												
	d. Property Taxes (D)		205	205	205	205	205	205	205	205	205	205	205	205	2,460
	e. Other	-	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$2,479	\$2,475	\$2,472	\$2,467	\$2,463	\$2,459	\$2,454	\$2,450	\$2,446	\$2,441	\$2,437	\$2,434	\$29,477
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$2,479	\$2,475	\$2,472	\$2,467	\$2,463	\$2,459	\$2,454	\$2,450	\$2,446	\$2,441	\$2,437	\$2,434	\$29,477
10	Energy Jurisdictional Factor		N/A												
11	Demand Jurisdictional Factor - Production (Intermediate)		0.72703		0.72703		0.72703			0.72703	0.72703	0.72703		0.72703	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		1,802	1,799	1,797	1,794	1,791	1,788	1,784	1,781	1,778	1,775	1,772	1,770	21,431
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)	-	\$1,802	\$1,799	\$1,797	\$1,794	\$1,791	\$1,788	\$1,784	\$1,781	\$1,778	\$1,775	\$1,772	\$1,770	\$21,431

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Depreciation calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2010 Rate Case Order PSC-2010-0131-FOF-EI. (D) Property tax calculated in Above Ground Tank Secondary Containment section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost. (E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 4 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. ___ (CAM-5) Page 8 of 48

SO2 and NOx EMISSIONS ALLOWANCES - Energy (Project 5) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Working Capital Dr (Cr)		¢2,200,000	42 207 C 42	42 205 042	60 000 F0 A	42 2 7 0 000		62.274.502	¢2.272.240	¢2.200.004	éo oc , ooo	62.255.200		42.254.052	<u> </u>
	a. 0158150 SO ₂ Emission Allowance Inventory		\$3,290,636	\$3,287,648	\$3,285,013	\$3,280,594	\$3,278,806	\$3,276,670	\$3,274,583	\$3,272,310	\$3,269,984	\$3,267,832	\$3,266,288	\$3,265,472	\$3,264,868	\$3,264,868
	b. 0254020 Auctioned SO_2 Allowance		(610)	(619)	(628)	(637)	(646)	(655)	(664)	(673)	(682)	(691)	(700)	(709)	(718)	(718)
	c. 0158170 NOx Emission Allowance Inventory d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Total Working Capital		\$3,290,026	\$3,287,029	\$3,284,385	\$3,279,957	\$3,278,161	\$3,276,015	\$3,273,919	\$3,271,637	\$3,269,302	\$3,267,141	\$3,265,588	\$3,264,763	\$3,264,150	\$3,264,150
3	Average Net Investment			\$3,288,528	\$3,285,707	\$3,282,171	\$3,279,059	\$3,277,088	\$3,274,967	\$3,272,778	\$3,270,469	\$3,268,221	\$3,266,364	\$3,265,175	\$3,264,456	
4	Return on Average Net Working Capital Balance (B)															
	a. Debt Component	2.02%		5,529	5,525	5,519	5,513	5,510	5,507	5,503	5,499	5 <i>,</i> 495	5,492	5,490	5,489	66,071
-	b. Equity Component Grossed Up For Taxes	7.65%	-	20,954	20,937	20,914	20,894	20,882	20,868	20,854	20,839	20,825	20,813	20,806	20,801	250,387
5	Total Return Component (C)		=	\$26,483	\$26,462	\$26,433	\$26 <i>,</i> 407	\$26,392	\$26,375	\$26,357	\$26,338	\$26,320	\$26,305	\$26,296	\$26,290	316,458
6	Expense Dr (Cr)															
	a. 0509030 SO ₂ Allowance Expense			\$2 <i>,</i> 988	\$2 <i>,</i> 635	\$4,418	\$1,788	\$2,136	\$2,087	\$2,273	\$2,326	\$2,152	\$1,543	\$817	\$603	25,767
	b. 0407426 Amortization Expense			9	9	9	9	9	9	9	9	9	9	9	9	109
	c. 0 509212 NOx Allowance Expense			0	0	0	0	0	0	0	0	0	0	0	0	0
	d. Other		-	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Net Expense (D)		=	2,997	2,644	4,428	1,797	2,146	2,096	2,282	2,335	2,161	1,552	826	612	25,876
8	Total System Recoverable Expenses (Lines 5 + 7)			\$29 <i>,</i> 480	\$29,106	\$30,861	\$28,204	\$28,538	\$28,471	\$28,639	\$28,673	\$28,481	\$27 <i>,</i> 857	\$27,122	\$26,902	342,334
	a. Recoverable costs allocated to Energy			\$29,480	\$29,106	\$30,861	\$28,204	\$28,538	\$28,471	\$28,639	\$28,673	\$28 <i>,</i> 481	\$27 <i>,</i> 857	\$27,122	\$26,902	342,334
	b. Recoverable costs allocated to Demand			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
9	Energy Jurisdictional Factor			0.96768	0.96387	0.95792	0.92911	0.92672	0.94148	0.95753	0.95894	0.96237	0.96434	0.97011	0.96130	
10	Demand Jurisdictional Factor			N/A	N/A	N/A	N/A									
11	Retail Energy-Related Recoverable Costs (E)			\$28,527	\$28,055	\$29,562	\$26,205	\$26 <i>,</i> 446	\$26,805	\$27,423	\$27,496	\$27,409	\$26,864	\$26,311	\$25,861	326,963
12	Retail Demand-Related Recoverable Costs (F)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
13	Total Jurisdictional Recoverable Costs (Lines 11 + 12)		-	\$ 28,527	\$ 28,055	\$ 29,562	\$ 26,205	\$ 26,446	\$ 26,805	\$ 27,423	\$ 27,496	\$ 27,409	\$ 26,864	\$ 26,311	\$ 25,861 \$	326,963

Notes:

(A) N/A

(B) Line 3x9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate 38.575% (inc tax multiplier=1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Line 5 is reported on Capital Schedule

(D) Line 7 is reported on O&M Schedule

(E) Line 8a x Line 9

(F) Line 8b x Line 10

Form 42-4P Page 5 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 9 of 48

Return on Capital Investments, Depreciation and Taxes For Project: Phase II Cooling Water Intake 316(b) - Base (Project 6) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18
1	Investments							
	a. Expenditures/Additions			\$140,939	\$140,939	\$197,314	\$197,314	\$197,3
	b. Clearings to Plant			0	0	0	0	
	c. Retirements			0	0	0	0	
	d. Other (A)			1,670,625	0	0	0	
2	Plant-in-Service/Depreciation Base		\$0	0	0	0	0	
3	Less: Accumulated Depreciation		0	0	0	0	0	
4	CWIP - Non-Interest Bearing		0	1,811,564	1,952,503	2,149,817	2,347,132	2,544,44
5	Net Investment (Lines 2 + 3 + 4)		\$0	\$1,811,564	\$1,952,503	\$2,149,817	\$2,347,132	\$2,544,44
6	Average Net Investment			\$905,782	\$1,882,033	\$2,051,160	\$2,248,475	\$2,445,7
7	Return on Average Net Investment (B)							
	a. Debt Component	2.02%		1,523	3,164	3,449	3,781	4,1
	b. Equity Component Grossed Up For Taxes	7.65%		5,772	11,992	13,070	14,327	15,5
	c. Other (A)			26,909	0	0	0	
8	Investment Expenses							
	a. Depreciation (C)			0	0	0	0	
	b. Amortization			0	0	0	0	
	c. Dismantlement			N/A	N/A	N/A	N/A	N
	d. Property Taxes (D)			0	0	0	0	
	e. Other		-	0	0	0	0	
9	Total System Recoverable Expenses (Lines 7 + 8)			\$34,204	\$15,156	\$16,519	\$18,108	\$19,6
	a. Recoverable Costs Allocated to Energy			0	0	0	0	
	b. Recoverable Costs Allocated to Demand			34,204	15,156	16,519	18,108	19,6
10	Energy Jurisdictional Factor			N/A	N/A	N/A	N/A	N
11	Demand Jurisdictional Factor			0.92885	0.92885	0.92885	0.92885	0.928
12	Retail Energy-Related Recoverable Costs (E)			\$0	\$0	\$0	\$0	:
13	Retail Demand-Related Recoverable Costs (F)		_	31,770	14,078	15,344	16,820	18,2
14	Total Jurisdictional Recoverable Costs (Lines 12 +	13)	-	\$31,770	\$14,078	\$15,344	\$16,820	\$18,2

Notes:

(A) As explained in the Projection testimony of Patricia West, DEF expects to begin incurring capital expenditures in 2017. As a result, DEF has made these adjustments to ensure that the revenue impact to customers is neutral. (B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 6 of 18

End of ted Estimated Estimated Estimated Estimated Estimated Estimated Estimated Period Jun-18 Jul-18 Aug-18 Sep-18 Oct-18 Nov-18 Dec-18 Total 97,314 \$28,188 \$28,188 \$28,188 \$253,690 \$281,878 \$169,127 \$28,188 \$1,691,267 0 4,446 2,572,634 2,600,822 2,629,010 2,882,700 3,164,578 3,333,704 3,361,892 4,446 \$2,572,634 \$2,600,822 \$2,629,010 \$2,882,700 \$3,164,578 \$3,333,704 \$3,361,892 \$2,558,540 \$2,586,728 \$3,023,639 45,789 \$2,614,916 \$2,755,855 \$3,249,141 \$3,347,798 4,112 4,302 4,349 4,397 4,634 5*,*084 5,463 5,629 49,887 15,585 16,303 16,483 16,662 17,560 19,267 20,704 21,332 189,057 0 0 0 0 0 0 0 0 26,909 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 N/A N/A N/A N/A N/A N/A N/A N/A N/A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 \$20,832 265,853 19,697 \$20,605 \$21,059 \$22,194 \$24,351 \$26,167 \$26,961 0 0 0 0 0 0 0 0 0 19,697 20,605 20,832 21,059 22,194 24,351 26,167 26,961 265,853 N/A N/A N/A N/A N/A N/A N/A N/A .92885 0.92885 0.92885 0.92885 0.92885 0.92885 0.92885 0.92885 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 18,296 19,139 19,350 19,561 20,615 22,618 24,305 25*,*043 246,939 18,296 \$19,139 \$19,350 \$19,561 \$20,615 \$22,618 \$24,305 \$25*,*043 \$246,939

Return on Capital Investments, Depreciation and Taxes For Project: CAIR/CAMR - Peaking (Project 7.2 - CT Emission Monitoring Systems) (in Dollars)

Beginning of Estima Estimated Estimated Estimated Estimated Ma<u>y-</u>2 Description Period Amount Jan-18 Feb-18 Mar-18 Apr-18 Line 1 Investments a. Expenditures/Additions \$0 \$0 \$0 \$0 0 b. Clearings to Plant 0 0 0 0 0 c. Retirements 0 0 0 d. Other (A) 0 0 0 Plant-in-Service/Depreciation Base \$1,802,096 \$1,802,096 \$1,802,096 \$1,802,096 \$1,80 2 \$1,802,096 3 Less: Accumulated Depreciation (\$410,841) (414,255) (417,669) (421,083) (424,497) (42 Regulatory Asset Balance (G) 48,372 45,147 41,922 38,697 35,472 3a CWIP - Non-Interest Bearing 0 0 0 0 0 4 \$1,4 5 Net Investment (Lines 2 + 3 + 4) \$1,439,627 \$1,432,988 \$1,426,349 \$1,419,710 \$1,413,071 \$1,436,308 \$1,429,669 \$1,423,030 \$1,4 6 Average Net Investment \$1,416,391 7 Return on Average Net Investment (B) 2.02% 2,415 2,404 2,392 2,381 a. Debt Component 9,152 9,069 7.65% 9,110 9,025 b. Equity Component Grossed Up For Taxes 0 0 c. Other 0 0 8 Investment Expenses a. Depreciation (C) 3,414 3,414 3,414 3,414 3,225 3,225 3,225 3,225 b. Amortization (G) 0 0 0 c. Dismantlement 0 d. Property Taxes (D) 1,396 1,396 1,396 1,396 0 0 0 e. Other 0 \$19,549 9 Total System Recoverable Expenses (Lines 7 + 8) \$19,602 \$19,496 \$19,441 a. Recoverable Costs Allocated to Energy 0 0 0 0 \$19,602 \$19,549 \$19,496 \$1 b. Recoverable Costs Allocated to Demand \$19,441 **Energy Jurisdictional Factor** N/A N/A N/A N/A 10 0.95924 0.95924 Demand Jurisdictional Factor - Production (Peaking) 0.95924 0.95924 0. 11 12 Retail Energy-Related Recoverable Costs (E) \$0 \$0 \$0 \$0 18,803 18,752 18,701 18,649 13 Retail Demand-Related Recoverable Costs (F) 14 Total Jurisdictional Recoverable Costs (Lines 12 + 13) \$18,803 \$18,752 \$18,701 \$18,649 Ś

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Depreciation calculated in CAIR CTs section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2010 Rate Case Order PSC-2010-0131-FOF-EI. (D) Property tax calculated in CAIR CTs section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

(G) Investment amortized over three years as approved in Order No. PSC-2016-0535-FOF-EI.

Form 42-4P Page 7 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 11 of 48

End of Period Total	Estimated Dec-18	Estimated Nov-18	Estimated Oct-18	Estimated Sep-18	Estimated Aug-18	Estimated Jul-18	Estimated Jun-18	imated lay-18
4.0		4.5	4.5	4.5	4.5	4.5	4.5	4.0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	0	0	0	0	0	0	0	0
	0 0	0	0 0	0	0	0 0	0 0	0 0
	0	0	0	0	0	0	0	0
	\$1,802,096	\$1,802,096	\$1,802,096	\$1,802,096	\$1,802,096	\$1,802,096	\$1,802,096	51,802,096
	(451,809)	(448,395)	(444,981)	(441,567)		(434,739)	(431,325)	(427,911)
	9,672	12,897	16,122	19,347	22,572	25,797	29,022	32,247
	0	0	0	0	0	0	0	0
	\$1,359,959	\$1,366,598	\$1,373,237	\$1,379,876	\$1,386,515	\$1,393,154	\$1,399,793	51,406,432
	¢1 262 270	\$1,369,918	\$1,376,557	\$1,383,196	\$1,389,835	\$1,396,474	\$1,403,113	51,409,752
	\$1,363,279	\$1,203,319	\$1,570,557	\$1,203,130	\$1,203,022	Ş1,390,474	Ş1,405,115	51,409,752
28,242	2,292	2,302	2,315	2,325	2,338	2,348	2,359	2,371
107,036	8,686	8,728	8,772	8,814	8,857	8,900	8,939	8 <i>,</i> 984
0	0	0	0	0	0	0	0	0
40,968	3,414	3,414	3,414	3,414	3,414	3,414	3,414	3,414
38,700	3,225	3,225	3,225	3,225	3,225	3,225	3,225	3,225
N/A	0	0	0	0	0	0	0	0
16,752	1,396	1,396	1,396	1,396	1,396	1,396	1,396	1,396
	0			0		0	0	0
231,698	\$19,013	\$19,065	\$19,122	\$19,174	\$19,230	\$19,283	\$19,333	\$19,390
0	0	0	0	0	0	0	0	0
231,698	\$19,013	\$19,065	\$19,122	\$19,174	\$19,230	\$19,283	\$19,333	\$19,390
	N/A	N/A						
	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924	0.95924
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
222,254	18,238	18,288	18,343	18,392	18,446	18,497	18,545	18,600
\$222,254	\$18,238	\$18,288	\$18,343	\$18,392	\$18,446	\$18,497	\$18,545	\$18,600

Return on Capital Investments, Depreciation and Taxes For Project: CAIR/CAMR - Base (Project 7.4 - Crystal River) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments															
	a. Expenditures/Additions			\$4,335,049	\$5,554,928	\$9,585,008	\$3,965,646	\$3,582,889	\$3,033,397	\$3,052,926	\$2,427,251	\$2,098,069	\$1,276,361	\$1,931,055	\$735,233	\$41,577,813
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	65,442,284	0	
	c. Retirements d. Other (A)			0	0	0	0	0	0	0	0	0 0	0	0	0	
	d. Other (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		\$3,930,012	\$3,930,012	\$3,930,012	\$3,930,012	\$3,930,012	\$3,930,012	\$3,930,012	\$3,930,012	\$3,930,012	\$3,930,012	\$3,930,012	\$69,372,296	\$69,372,296	
3	Less: Accumulated Depreciation		(\$276 <i>,</i> 456)	(\$284,042)	(\$291,628)	(\$299,214)	(\$306,800)	(\$314,386)	(\$321,972)	(\$329,558)	(\$337,144)	(\$344,730)	(\$352,316)	(\$440,942)	(\$529 <i>,</i> 568)	
4	CWIP - Non-Interest Bearing		26,530,759	30,865,808	36,420,737	46,005,745	49,971,391	53,554,280	56,587,677	59,640,603	62,067,854	64,165,923	65,442,284	1,931,055	2,666,288	
5	Net Investment (Lines 2 + 3 + 4)		\$30,184,316	\$34,511,779	\$40,059,121	\$49,636,543	\$53,594,603	\$57,169,907	\$60,195,718	\$63,241,057	\$65,660,723	\$67,751,206	\$69,019,981	\$70,862,410	\$71,509,017	
6	Average Net Investment			\$32,348,047	\$37,285,450	\$44,847,832	\$51,615,573	\$55,382,255	\$58,682,812	\$61,718,388	\$64,450,890	\$66,705,964	\$68,385,593	\$69,941,195	\$71,185,713	
7	Return on Average Net Investment (B)															
-	a. Debt Component	2.02%		54,390	62,693	75,408	86,787	93,120	98,671	103,774	108,369	112,160	114,985	117,600	119,693	1,147,650
	b. Equity Component Grossed Up For Taxes	7.65%		206,123	237,583	285,769	328,895	352,895	373,927	393,270	410,680	425,050	435,753	445,665	453,596	4,349,206
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
C C	a. Depreciation (C)			7,586	7,586	7,586	7,586	7,586	7,586	7,586	7,586	7,586	7,586	88,626	88,626	253,112
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A	N/A											
	d. Property Taxes (D)			558	558	558	558	558	558	558	558	558	558	9 <i>,</i> 845	9 <i>,</i> 845	25,270
	e. Other		-	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)			\$268,657	\$308,420	\$369,321	\$423,826	\$454,159	\$480,742	\$505,188	\$527,193	\$545,354	\$558,882	\$661,736	\$671,760	5,775,238
	a. Recoverable Costs Allocated to Energy			0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand			\$268,657	\$308,420	\$369,321	\$423,826	\$454,159	\$480,742	\$505,188	\$527,193	\$545,354	\$558,882	\$661,736	\$671,760	5,775,238
10	Energy Jurisdictional Factor			N/A												
11	Demand Jurisdictional Factor - Production (Base)			0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		_	249,542	286,476	343,044	393,671	421,846	446,537	469,244	489,683	506,552	519,118	614,653	623,964	5,364,330
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		_	\$249,542	\$286,476	\$343,044	\$393,671	\$421,846	\$446,537	\$469,244	\$489,683	\$506,552	\$519,118	\$614,653	\$623,964	\$5,364,330

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Depreciation calculated in CAIR Crystal River section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2010 Rate Case Order PSC-2010-0131-FOF-EI. (D) Property taxes calculated in CAIR Crystal River section of Capital Program Detail file only on assets in-service. Calculated on that schedule as Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 8 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 12 of 48

Schedule of Amortization and Return For Project: CAIR/CAMR - Energy (Project 7.4 - Reagents and By-Products) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Working Capital Dr (Cr)															
	a. 0154401 Ammonia Inventory		\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	\$115,189	115,189
	b. 0154200 Limestone Inventory		\$1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674	1,154,674
2	Total Working Capital		\$1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864
3	Average Net Investment			1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	1,269,864	
4	Return on Average Net Working Capital Balance (A)															
	a. Debt Component	2.02%		2,135	2,135	2,135	2,135	2,135	2,135	2,135	2,135	2,135	2,135	2,135	2,135	\$25,622
	b. Equity Component Grossed Up For Taxes	7.65%		8,092	8,092	8,092	8,092	8,092	8,092	8,092	8,092	8,092	8,092	8,092	8,092	97,099
5	Total Return Component (B)		=	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	10,227	122,721
6	Expense Dr (Cr)															
	a. 0502010 Ammonia Expense			309,100	327,113	384,855	366,019	402,787	446,009	433,862	461,943	467,826	442,931	312,768	299,186	4,654,399
	b. 0502040 Limestone Expense			667,090	550,033	435,514	529,038	597,108	617,280	637,056	658,836	608,204	572,713	539,378	373,296	6,785,545
	c. 0502050 Dibasic Acid Expense			0	0	5,401	0	0	3,956	9,034	1,833	0	0	0	1,833	22,057
	d. 0502070 Gypsum Disposal/Sale			263,782	217,888	172,671	209,872	236,956	245,006	252,879	261,537	241,443	227,357	214,125	148,193	2,691,706
	e. 0502040 Hydrated Lime Expense			220,035	220,538	238,674	314,861	313,523	337,623	355,761	353,813	298,935	308,002	194,157	239,772	3,395,693
	f. 0502300 Caustic Expense			3,009	797	8,740	2,993	7,663	16,146	8,454	8,454	2,083	9,702	5,822	5,992	79 <i>,</i> 853
7	Net Expense (C)		=	1,463,015	1,316,369	1,245,854	1,422,782	1,558,036	1,666,020	1,697,045	1,746,415	1,618,491	1,560,703	1,266,250	1,068,273	17,629,254
8	Total System Recoverable Expenses (Lines 5 + 7)			\$1,473,242	\$1,326,596	\$1,256,081	\$1,433,008	\$1,568,263	\$1,676,247	\$1,707,272	\$1,756,642	\$1,628,718	\$1,570,930	\$1,276,477	\$1,078,499	\$17,751,975
	a. Recoverable Costs Allocated to Energy			1,473,242	1,326,596	1,256,081	1,433,008	1,568,263	1,676,247	1,707,272	1,756,642	1,628,718	1,570,930	1,276,477	1,078,499	17,751,975
	b. Recoverable Costs Allocated to Demand			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Energy Jurisdictional Factor			0.96768	0.96387	0.95792	0.92911	0.92672	0.94148	0.95753	0.95894	0.96237	0.96434	0.97011	0.96130	
10	Demand Jurisdictional Factor			N/A												
11	Retail Energy-Related Recoverable Costs (D)			1,425,624	1,278,660	1,203,225	1,331,428	1,453,333	1,578,145	1,634,764	1,684,515	1,567,427	1,514,918	1,238,328	1,036,763	16,947,130
12	Retail Demand-Related Recoverable Costs (E)			0	0	0	0	0	0	0	0	0	0	0	0	0
13	Total Jurisdictional Recoverable Costs (Lines 11 + 12)		-	\$ 1,425,624	\$ 1,278,660	\$ 1,203,225	\$ 1,331,428	\$ 1,453,333	\$ 1,578,145	\$ 1,634,764	\$ 1,684,515	\$ 1,567,427	\$ 1,514,918	\$ 1,238,328	\$ 1,036,763	\$ 16,947,130

Notes:

(A) Line 3 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (B) Line 5 is reported on Capital Schedule

(C) Line 7 is reported on O&M Schedule

(D) Line 8a x Line 9

(E) Line 8b x Line 10

Form 42-4P Page 9 of 18

Return on Capital Investments, Depreciation and Taxes For Project: SEA TURTLE - COASTAL STREET LIGHTING - (Project 9) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments															
	a. Expenditures/Additions			\$0	\$0	\$0	\$0	\$0	\$50	\$100	\$100	\$100	\$50	\$0	\$0	\$400
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	0	400	
	c. Retirements			0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		\$11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,324	11,724	
3	Less: Accumulated Depreciation		(3,350)	(3,379)	(3,408)	(3,437)	(3,466)	(3,495)	(3,524)	(3,553)	(3,582)	(3,611)	(3,640)	(3,669)	(3,698)	
4	CWIP - Non-Interest Bearing		0	0	0	0	0	0	50	150	250	350	400	400	0	
5	Net Investment (Lines 2 + 3 + 4)		\$7,974	\$7,945	\$7,916	\$7,887	\$7,858	\$7,829	\$7,850	\$7,921	\$7,992	\$8,063	\$8,084	\$8,055	\$8,026	
6	Average Net Investment			\$7,960	\$7,931	\$7,902	\$7,873	\$7,844	\$7,840	\$7,886	\$7,957	\$8,028	\$8,074	\$8,070	\$8,041	
7	Return on Average Net Investment (B)															
	a. Debt Component	2.02%		13	13	13	13	13	13	13	13	13	14	14	14	159
	b. Equity Component Grossed Up For Taxes	7.65%		51	51	50	50	50	50	50	51	51	51	51	51	607
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C) 3.0658%			29	29	29	29	29	29	29	29	29	29	29	29	348
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A												
	d. Property Taxes (D) 0.009414			9	9	9	9	9	9	9	9	9	9	9	9	108
	e. Other		-	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)			\$102	\$102	\$101	\$101	\$101	\$101	\$101	\$102	\$102	\$103	\$103	\$103	1,222
	a. Recoverable Costs Allocated to Energy			0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand			\$102	\$102	\$101	\$101	\$101	\$101	\$101	\$102	\$102	\$103	\$103	\$103	1,222
10	Energy Jurisdictional Factor			N/A												
11	Demand Jurisdictional Factor - (Distribution)			0.99561	0.99561	0.99561	0.99561	0.99561	-	0.99561	0.99561	0.99561	0.99561	0.99561	0.99561	
12	Retail Energy-Related Recoverable Costs (E)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)			102	102	101	101	101	101	101	102	102	103	103	103	1,217
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		-	\$102	\$102	\$101	\$101	\$101	\$101	\$101	\$102	\$102	\$103	\$103	\$103	\$1,217

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Line 2 x rate x 1/12. Depreciation Rate based on 2010 Rate Case Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 10 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 14 of 48

Return on Capital Investments, Depreciation and Taxes For Project: UNDERGROUND STORAGE TANKS - Base (Project 10.1) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments															
	a. Expenditures/Additions			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements			0	0	0	0	0	0	C C	0	0	0	0	0	
	d. Other (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		\$168,941	168,941	168,941	168,941	168,941	168,941	168,941	168,941	168,941	168,941	168,941	168,941	168,941	
3	Less: Accumulated Depreciation		(42,448)	(42,744)	(43,040)	(43,336)	(43 <i>,</i> 632)	(43 <i>,</i> 928)	(44,224)	(44,520)	(44,816)	(45,112)	(45,408)	(45,704)	(46,000)	
4	CWIP - Non-Interest Bearing		0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)		\$126,493	\$126,197	\$125,901	\$125,605	\$125,309	\$125,013	\$124,717	\$124,421	\$124,125	\$123,829	\$123,533	\$123,237	\$122,941	
6	Average Net Investment			\$126,345	\$126,049	\$125,753	\$125,457	\$125,161	\$124,865	\$124,569	\$124,273	\$123,977	\$123,681	\$123,385	\$123,089	
7	Return on Average Net Investment (B)															
	a. Debt Component	2.02%		212	212	211	211	210	210	209	209	208	208	207	207	2,514
	b. Equity Component Grossed Up For Taxes	7.65%		805	803	801	799	798	796	794	792	790	788	786	784	9,536
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C) 2.1000%			296	296	296	296	296	296	296	296	296	296	296	296	3,552
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A												
	d. Property Taxes (D) 0.008573			121	121	121	121	121	121	121	121	121	121	121	121	1,452
	e. Other		-	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)			\$1,434	\$1,432	\$1,429	\$1,427	\$1,425	\$1,423	\$1,420	\$1,418	\$1,415	\$1,413	\$1,410	\$1,408	17,054
	a. Recoverable Costs Allocated to Energy			0	0	0	0	0	0		0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand			\$1,434	\$1,432	\$1,429	\$1,427	\$1,425	\$1,423	\$1,420	\$1,418	\$1,415	\$1,413	\$1,410	\$1,408	17,054
10	Energy Jurisdictional Factor			N/A												
11	Demand Jurisdictional Factor - Production (Base)			0.92885	0.92885	0.92885	0.92885	0.92885	0.92885		0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)			1,332	1,330	1,327	1,325	1,324	1,322	1,319	1,317	1,314	1,312	1,310	1,308	15,841
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		-	\$1,332	\$1,330	\$1,327	\$1,325	\$1,324	\$1,322	\$1,319	\$1,317	\$1,314	\$1,312	\$1,310	\$1,308	\$15,841

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 11 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 15 of 48

Return on Capital Investments, Depreciation and Taxes For Project: UNDERGROUND STORAGE TANKS - Intermediate (10.2) (in Dollars)

Line	Description	Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$76,006	76,006	76,006	76,006	76,006	76,006	76,006	76,006	76,006	76,006	76,006	76,006	76,006	
3	Less: Accumulated Depreciation	(26,657)	(26,860)	(27,063)	(27,266)	(27,469)	(27,672)	(27 <i>,</i> 875)	(28 <i>,</i> 078)	(28,281)	(28 <i>,</i> 484)	(28 <i>,</i> 687)	(28,890)	(29,093)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$49,349	\$49,146	\$48,943	\$48,740	\$48,537	\$48,334	\$48,131	\$47,928	\$47,725	\$47,522	\$47,319	\$47,116	\$46,913	
6	Average Net Investment		\$49,248	\$49,045	\$48,842	\$48,639	\$48,436	\$48,233	\$48,030	\$47,827	\$47,624	\$47,421	\$47,218	\$47,015	
7	Return on Average Net Investment (B)														
	a. Debt Component 2.02%		83	82	82	82	81	81	81	80	80	80	79	79	970
	b. Equity Component Grossed Up For Taxes 7.65%		314	313	311	310	309	307	306	305	303	302	301	300	3,681
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C) 3.2000%		203	203	203	203	203	203	203	203	203	203	203	203	2,436
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A												
	d. Property Taxes (D) 0.009890		63	63	63	63	63	63	63	63	63	63	63	63	756
	e. Other	-	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$663	\$661	\$659	\$658	\$656	\$654	\$653	\$651	\$649	\$648	\$646	\$645	7,843
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$663	\$661	\$659	\$658	\$656	\$654	\$653	\$651	\$649	\$648	\$646	\$645	7,843
10	Energy Jurisdictional Factor		N/A												
11	Demand Jurisdictional Factor - Production (Intermediate)		0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		482	481	479	478	477	475	475	473	472	471	470	469	5,702
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)	-	\$482	\$481	\$479	\$478	\$477	\$475	\$475	\$473	\$472	\$471	\$470	\$469	\$5,702

Notes:

(A) N/A (B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EL

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 12 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5)

Page 16 of 48

Return on Capital Investments, Depreciation and Taxes For Project: Effluent Limitation Guidelines CRN - Base (Project 15.1) (in Dollars)

Line	Description	Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$0	0	0	0	0	0	0	0	0	0	0	0	0	
3	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	CWIP - Non-Interest Bearing	242,913	242,913	242,913	242,913	242,913	242,913	242,913	242,913	242,913	242,913	242,913	242,913	242,913	
5	Net Investment (Lines 2 + 3 + 4)	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	
6	Average Net Investment		\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	\$242,913	
7	Return on Average Net Investment (B)														
	a. Debt Component 2.02%		408	408	408	408	408	408	408	408	408	408	408	408	4,896
	b. Equity Component Grossed Up For Taxes 7.65%		1,548	1,548	1,548	1,548	1,548	1,548	1,548	1,548	1,548	1,548	1,548	1,548	18,576
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C) 2.4700%		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A												
	d. Property Taxes (D) 0.001703		0	0	0	0	0	0	0	0	0	0	0	0	0
	e. Other	-	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$1,956	\$1,956	\$1,956	\$1,956	\$1,956	\$1,956	\$1,956	\$1,956	\$1,956	\$1,956	\$1,956	\$1,956	23,472
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	23,472
10	Energy Jurisdictional Factor		N/A												
11	Demand Jurisdictional Factor - Production (Base)		0.92885	0.92885	0.92885	0.92885	0.92885	0.92885			0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)	-	1,817	1,817	1,817	1,817	1,817	1,817	1,817		1,817	1,817	1,817	1,817	21,802
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$1,817	\$1,817	\$1,817	\$1,817	\$1,817	\$1,817	\$1,817	\$1,817	\$1,817	\$1,817	\$1,817	\$1,817	\$21,802

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 13 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 17 of 48

Return on Capital Investments, Depreciation and Taxes For Project: NPDES - Intermediate (Project 16) (in Dollars)

Line	Description	Beginning of Period Amoun	Estimated t Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$12,841,87	0 12,841,870	12,841,870	12,841,870	12,841,870	12,841,870	12,841,870	12,841,870	12,841,870	12,841,870	12,841,870	12,841,870	12,841,870	
3	Less: Accumulated Depreciation	(1,288,446) (1,324,118)	(1,359,790)	(1,395,462)	(1,431,134)	(1,466,806)	(1,502,478)	(1,538,150)	(1,573,822)	(1,609,494)	(1,645,166)	(1,680,838)	(1,716,510)	
4	CWIP - Non-Interest Bearing	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)	\$11,553,424	\$11,517,752	\$11,482,080	\$11,446,408	\$11,410,736	\$11,375,064	\$11,339,392	\$11,303,720	\$11,268,048	\$11,232,376	\$11,196,704	\$11,161,032	\$11,125,360	
6	Average Net Investment		\$11,535,588	\$11,499,916	\$11,464,244	\$11,428,572	\$11,392,900	\$11,357,228	\$11,321,556	\$11,285,884	\$11,250,212	\$11,214,540	\$11,178,868	\$11,143,196	
7	Return on Average Net Investment (B)														
	a. Debt Component	2.02%	19,396	19,336	19,276	19,216	19,156	19,096	19,036	18,976	18,916	18,856	18,796	18,736	228,792
	b. Equity Component Grossed Up For Taxes	7.65%	73,505	73,277	73,050	72,823	72,596	72,368	72,141	71,914	71,686	71,459	71,232	71,004	867,055
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C) 3.333%		35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	35,672	428,064
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	d. Property Taxes (D) 0.009930		10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	10,627	127,524
	e. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$139,200	\$138,912	\$138,625	\$138,338	\$138,051	\$137,763	\$137,476	\$137,189	\$136,901	\$136,614	\$136,327	\$136,039	1,651,435
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		\$139,200	\$138,912	\$138,625	\$138,338	\$138,051	\$137,763	\$137,476	\$137,189	\$136,901	\$136,614	\$136,327	\$136,039	1,651,435
10	Energy Jurisdictional Factor		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
11	Demand Jurisdictional Factor - Production (Intermed	iate)	0.72703		0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	0.72703	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)		101,203	100,993	100,785	100,576	100,367	100,158	99,949	99,741	99,531	99,322	99,114	98,904	1,200,643
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		\$101,203	\$100,993	\$100,785	\$100,576	\$100,367	\$100,158	\$99,949	\$99,741	\$99,531	\$99,322	\$99,114	\$98,904	\$1,200,643

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 14 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 18 of 48

Return on Capital Investments, Depreciation and Taxes For Project: MERCURY & AIR TOXIC STANDARDS (MATS) - CRYSTAL RIVER UNITS 4 & 5 - Energy (Project 17) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments															
	a. Expenditures/Additions			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements			0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		\$3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	3,690,187	
3	Less: Accumulated Depreciation		(187,997)	(194,579)	(201,161)	(207,743)	(214,325)	(220,907)	(227,489)	(234,071)	(240,653)	(247,235)	(253 <i>,</i> 817)	(260,399)	(266,981)	
4	CWIP - Non-Interest Bearing		0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)		\$3,502,190	\$3,495,608	\$3,489,026	\$3,482,444	\$3,475,862	\$3,469,280	\$3,462,698	\$3,456,116	\$3,449,534	\$3,442,952	\$3,436,370	\$3,429,788	\$3,423,206	
6	Average Net Investment			\$3,498,899	\$3,492,317	\$3,485,735	\$3,479,153	\$3,472,571	\$3,465,989	\$3,459,407	\$3,452,825	\$3,446,243	\$3,439,661	\$3,433,079	\$3,426,497	
7	Return on Average Net Investment (B)															
	a. Debt Component	2.02%		5,883	5,872	5,861	5,850	5,839	5,828	5,817	5 <i>,</i> 806	5,795	5,784	5,772	5,761	69 <i>,</i> 868
	b. Equity Component Grossed Up For Taxes	7.65%		22,295	22,253	22,211	22,169	22,127	22,085	22,043	22,001	21,959	21,918	21,876	21,834	264,771
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses															
	a. Depreciation (C) Blended			6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	6,582	78,984
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement			N/A												
	d. Property Taxes (D) 0.001703			524	524	524	524	524	524	524	524	524	524	524	524	6,288
	e. Other (E)		-	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(597)	(7,160)
9	Total System Recoverable Expenses (Lines 7 + 8)			\$34,687	\$34,634	\$34,581	\$34,528	\$34,475	\$34,422	\$34,369	\$34,316	\$34,263	\$34,211	\$34,157	\$34,104	412,751
	a. Recoverable Costs Allocated to Energy			34,687	34,634	34,581	34,528	34,475	34,422	34,369	34,316	34,263	34,211	34,157	34,104	412,751
	b. Recoverable Costs Allocated to Demand			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
10	Energy Jurisdictional Factor			0.96768	0.96387	0.95792	0.92911	0.92672	0.94148	0.95753	0.95894	0.96237	0.96434	0.97011	0.96130	
11	Demand Jurisdictional Factor			N/A												
12	Retail Energy-Related Recoverable Costs (F)			\$33,566	\$33,383	\$33,126	\$32,081	\$31,949	\$32,408	\$32,910	\$32,907	\$32,974	\$32,992	\$33,137	\$32,785	\$394,218
13	Retail Demand-Related Recoverable Costs (G)		_	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		-	\$33,566	\$33,383	\$33,126	\$32,081	\$31,949	\$32,408	\$32,910	\$32,907	\$32,974	\$32,992	\$33,137	\$32,785	\$394,218

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI.

(C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 19990007-EI, Order No. PSC-1999-2513-FOF-EI.

(F) Line 9a x Line 10

(G) Line 9b x Line 11

Form 42-4P Page 15 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 19 of 48

Return on Capital Investments, Depreciation and Taxes For Project: MERCURY & AIR TOXIC STANDARDS (MATS) - ANCLOTE GAS CONVERSION - Energy (Project 17.1) (in Dollars)

Line	Description		Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments															
	a. Expenditures/Additions			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant			0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements			0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other - AFUDC (A)			0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base		\$133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	133,918,267	
3	Less: Accumulated Depreciation		(11,639,662)	(11,882,076)	(12,124,490)	(12,366,904)	(12,609,318)	(12,851,732)	(13,094,146)	(13,336,560)	(13,578,974)	(13,821,388)	(14,063,802)	(14,306,216)	(14,548,630)	
4	CWIP - AFUDC Bearing		0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Net Investment (Lines 2 + 3 + 4)		\$122,278,605	\$122,036,191	\$121,793,777	\$121,551,363	\$121,308,949	\$121,066,535	\$120,824,121	\$120,581,707	\$120,339,293	\$120,096,879	\$119,854,465	\$119,612,051	\$119,369,637	
6	Average Net Investment			\$122,157,398	\$121,914,984	\$121,672,570	\$121,430,156	\$121,187,742	\$120,945,328	\$120,702,914	\$120,460,500	\$120,218,086	\$119,975,672	\$119,733,258	\$119,490,844	
7	Return on Average Net Investment (B)															
	a. Debt Component	2.02%		205,397	204,990	204,582	204,175	203,767	203,359	202,952	202,544	202,137	201,729	201,321	200,914	2,437,86
	b. Equity Component Grossed Up For Taxes	7.65%		778,387	776,842	775,297	773,753	772,208	770,663	769,119	767,574	766,029	764,485	762,940	761,395	9,238,69
	c. Other			0	0	0	0	0	0	0	0	0	0	0	0	
8	Investment Expenses															
	a. Depreciation (C) 2.1722%			242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	242,414	2,908,96
	b. Amortization			0	0	0	0	0	0	0	0	0	0	0	0	
	c. Dismantlement			N/A	N//											
	d. Property Taxes (D) 0.008490			94,747	94,747	94,747		94,747	94,747	94,747	94,747	94,747	94,747	94,747	94,747	1,136,964
	e. Other (E)		-	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(14,794)	(177,534
9	Total System Recoverable Expenses (Lines 7 + 8)			\$1,306,151	\$1,304,199	\$1,302,246	\$1,300,295	\$1,298,342	\$1,296,389	\$1,294,438	\$1,292,485	\$1,290,533	\$1,288,581	\$1,286,628	\$1,284,676	15,544,95
	a. Recoverable Costs Allocated to Energy			1,306,151	1,304,199	1,302,246	1,300,295	1,298,342	1,296,389	1,294,438	1,292,485	1,290,533	1,288,581	1,286,628	1,284,676	15,544,95
	b. Recoverable Costs Allocated to Demand			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
10	Energy Jurisdictional Factor			0.96768	0.96387	0.95792	0.92911	0.92672	0.94148	0.95753	0.95894	0.96237	0.96434	0.97011	0.96130	
11	Demand Jurisdictional Factor			N/A												
12	Retail Energy-Related Recoverable Costs (F)			\$1,263,933	\$1,257,072	\$1,247,447	\$1,208,121	\$1,203,193	\$1,220,518	\$1,239,463	\$1,239,415	\$1,241,968	\$1,242,636	\$1,248,176	\$1,234,960	\$14,846,902
13	Retail Demand-Related Recoverable Costs (G)		_	0	0	0	0	0	0	0	0	0	0	0	0	(
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)		-	\$1,263,933	\$1,257,072	\$1,247,447	\$1,208,121	\$1,203,193	\$1,220,518	\$1,239,463	\$1,239,415	\$1,241,968	\$1,242,636	\$1,248,176	\$1,234,960	\$14,846,902

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 19990007-EI, Order No. PSC-1999-2513-FOF-EI.

(F) Line 9a x Line 10

(G) Line 9b x Line 11

Form 42-4P Page 16 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 20 of 48

Return on Capital Investments, Depreciation and Taxes For Project: MERCURY & AIR TOXIC STANDARDS (MATS) - CRYSTAL RIVER UNITS 1 & 2 - Energy (Project 17.2) (in Dollars)

Line	Description	Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	22,681,074	
3	Less: Accumulated Depreciation	(2,159,309)	(2,229,242)	(2,299,175)	(2,369,108)	(2,439,041)	(2,508,974)	(2,578,907)	(2,648,840)	(2,718,773)	(2,788,706)	(2,858,639)	(2,928,572)	(2,998,505)	
4	CWIP - Non-Interest Bearing	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
5	Net Investment (Lines 2 + 3 + 4)	\$20,521,764	\$20,451,831	\$20,381,898	\$20,311,965	\$20,242,032	\$20,172,099	\$20,102,166	\$20,032,233	\$19,962,300	\$19,892,367	\$19,822,434	\$19,752,501	\$19,682,568	
6	Average Net Investment		\$20,486,798	\$20,416,865	\$20,346,932	\$20,276,999	\$20,207,066	\$20,137,133	\$20,067,200	\$19,997,267	\$19,927,334	\$19,857,401	\$19,787,468	\$19,717,535	
7	Return on Average Net Investment (B)														
	a. Debt Component 2.02%		34,447	34,329	34,212	34,094	33,976	33,859	33,741	33,624	33,506	33,389	33,271	33,153	405,601
	b. Equity Component Grossed Up For Taxes 7.65%		130,542	130,096	129,651	129,205	128,759	128,314	127,868	127,423	126,977	126,531	126,086	125,640	1,537,092
	c. Other		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C) 3.7000%		69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	69,933	839,196
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A												
	d. Property Taxes (D) 0.001703		3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	3,219	38,628
	e. Other (E)	-	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(10,540)	(126,475)
9	Total System Recoverable Expenses (Lines 7 + 8)		\$227,601	\$227,037	\$226,475	\$225,911	\$225,347	\$224,785	\$224,221	\$223,659	\$223,095	\$222,532	\$221,969	\$221,405	2,694,042
	a. Recoverable Costs Allocated to Energy		227,601	227,037	226,475	225,911	225,347	224,785	224,221	223,659	223,095	222,532	221,969	221,405	2,694,042
	b. Recoverable Costs Allocated to Demand		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
10	Energy Jurisdictional Factor		0.96768	0.96387	0.95792	0.92911	0.92672	0.94148	0.95753	0.95894	0.96237	0.96434	0.97011	0.96130	
11	Demand Jurisdictional Factor		N/A												
12	Retail Energy-Related Recoverable Costs (F)		\$220,245	\$218,833	\$216,945	\$209,897	\$208 <i>,</i> 833	\$211,630	\$214,699	\$214,476	\$214,700	\$214,598	\$215,336	\$212,837	\$2,573,029
13	Retail Demand-Related Recoverable Costs (G)	_	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)	-	\$220,245	\$218,833	\$216,945	\$209,897	\$208,833	\$211,630	\$214,699	\$214,476	\$214,700	\$214,598	\$215,336	\$212,837	\$2,573,029

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Decrease in depreciation expense related to retired rate base assets as approved in Docket No. 19990007-EI, Order No. PSC-1999-2513-FOF-EI.

(F) Line 9a x Line 10

(G) Line 9b x Line 11

Form 42-4P Page 17 of 18

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 21 of 48

Return on Capital Investments, Depreciation and Taxes For Project: COAL COMBUSTION RESIDUAL (CCR) RULE - Base (Project 18) (in Dollars)

Line	Description	Beginning of Period Amount	Estimated Jan-18	Estimated Feb-18	Estimated Mar-18	Estimated Apr-18	Estimated May-18	Estimated Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	End of Period Total
1	Investments														
	a. Expenditures/Additions		\$0	\$0	\$0	\$0	\$28 <i>,</i> 582	\$28,582	\$28 <i>,</i> 582	\$28 <i>,</i> 582	\$0	\$0	\$0	\$0	\$114,326
	b. Clearings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	
	c. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	
	d. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	
2	Plant-in-Service/Depreciation Base	\$97,585	97,585	97,585	97,585	97,585	97,585	97,585	97,585	97,585	97,585	97,585	97,585	97,585	
3	Less: Accumulated Depreciation (A)	(\$2,112)	(2,288)	(2,464)	(2,640)	(2,816)	(2,992)	(3,168)	(3,344)	(3,520)	(3,696)	(3,872)	(4,048)	(4,224)	
4	CWIP - Non-Interest Bearing	317,626	317,626	317,626	317,626	317,626	346,208	374,789	403,371	431,952	431,952	431,952	431,952	431,952	
5	Net Investment (Lines 2 + 3 + 4)	\$413,099	\$412,923	\$412,747	\$412,571	\$412,395	\$440,801	\$469,206	\$497,612	\$526,017	\$525,841	\$525,665	\$525,489	\$525,313	
6	Average Net Investment		\$413,011	\$412,835	\$412,659	\$412,483	\$426,598	\$455,003	\$483,409	\$511,814	\$525,929	\$525,753	\$525,577	\$525,401	
7	Return on Average Net Investment (B)														
	a. Debt Component 2.02%		694	694	694	694	717	765	813	861	884	884	884	883	9,467
	b. Equity Component Grossed Up For Taxes 7.65%		2,632	2,631	2,629	2,628	2,718	2,899	3,080	3,261	3,351	3,350	3,349	3,348	35,876
	c. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	0
8	Investment Expenses														
	a. Depreciation (C) 2.1695%		176	176	176	176	176	176	176	176	176	176	176	176	2,112
	b. Amortization		0	0	0	0	0	0	0	0	0	0	0	0	0
	c. Dismantlement		N/A												
	d. Property Taxes (D) 0.001703		14	14	14	14	14	14	14	14	14	14	14	14	168
	e. Other (A)		0	0	0	0	0	0	0	0	0	0	0	0	0
9	Total System Recoverable Expenses (Lines 7 + 8)		\$3,516	\$3,515	\$3,513	\$3,512	\$3 <i>,</i> 625	\$3,854	\$4,083	\$4,312	\$4,425	\$4,424	\$4,423	\$4,421	47,623
	a. Recoverable Costs Allocated to Energy		0	0	0	0	0	0	0	0	0	0	0	0	0
	b. Recoverable Costs Allocated to Demand		3,516	3,515	3,513	3,512	3,625	3,854	4,083	4,312	4,425	4,424	4,423	4,421	47,623
10	Energy Jurisdictional Factor		N/A												
11	Demand Jurisdictional Factor		0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	0.92885	
12	Retail Energy-Related Recoverable Costs (E)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
13	Retail Demand-Related Recoverable Costs (F)	-	3,266	3,265	3,263	3,262	3,367	3,580	3,792	4,005	4,110		4,108	4,106	44,235
14	Total Jurisdictional Recoverable Costs (Lines 12 + 13)	-	\$3,266	\$3,265	\$3,263	\$3,262	\$3,367	\$3 <i>,</i> 580	\$3,792	\$4,005	\$4,110	\$4,109	\$4,108	\$4,106	\$44,235

Notes:

(A) N/A

(B) Line 6 x 9.66% x 1/12. Based on ROE of 10.5%, weighted cost of equity component of capital structure of 4.70% and statutory income tax rate of 38.575% (inc tax multiplier = 1.628002). See Stipulation & Settlement Agreement in Order No. PSC-2012-0425-PAA-EU Docket No. 20120007-EI. (C) Line 2 x rate x 1/12. Depreciation rate based on approved rates in Order PSC-2010-0131-FOF-EI.

(D) Line 2 x rate x 1/12. Based on 2016 Effective Tax Rate on original cost.

(E) Line 9a x Line 10

(F) Line 9b x Line 11

Form 42-4P Page 18 of 18

Form 42-5P Page 1 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 23 of 48

Project Title:Substation Environmental Investigation, Remediation and Pollution PreventionProject No. 1

Project Description:

Chapter 376 Florida Statutes requires that any person discharging a prohibited pollutant shall undertake to contain, remove and abate the discharge to the satisfaction of the FDEP. Similarly, Chapter 403 Florida Statutes provides that it is prohibited to cause pollution so as to harm or injure human health or welfare, animal, plant, or aquatic life or property. For DEF to comply with these statutes, it is actively conducting remediation and pollution prevention activities at its substation sites to remove the existence of pollutant discharges. Activities also include development and implementation of best management and pollution prevention measures at these sites.

Project Accomplishments:

As of 2nd Qtr end 2017, a total of 271 substation remediations are completed out of 279 slated for clean-up.

Project Fiscal Expenditures:

2017 O&M expenditures for the substation system program are estimated to be \$1.2M, which is \$207k or 21% higher than originally projected. The variance is due to additional work at the Holder Substation, and several distribution projects completed in 2017 that were originally anticipated to continue into 2018.

Project Progress Summary:

DEF continues to remediate substation sites in accordance with the approved Substation Assessment and Remedial Action Plan (SARAP).

Form 42-5P Page 2 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 24 of 48

Project Title: Distribution System Environmental Investigation, Remediation and Pollution Prevention Project No. 2

Project Description:

Chapter 376 Florida Statutes requires that any person discharging a prohibited pollutant shall undertake to contain, remove and abate the discharge to the satisfaction of the FDEP. Similarly, Chapter 403 Florida Statutes provides that it is prohibited to cause pollution so as to harm or injure human health or welfare, animal, plant, or aquatic life or property. For DEF to comply with these statutes, it is actively conducting remediation and pollution prevention activities at its distribution sites to remove the existence of pollutant discharges. Activities also include development and implementation of best management and pollution prevention measures at these sites.

Project Accomplishments:

All TRIP sites source removals are completed. Groundwater monitoring is in process.

Project Fiscal Expenditures: There is \$36K forecasted for 2017.

Project Progress Summary:

This project is complete with the exception of the groundwater monitoring. A monitoring well has been installed at the 7100 Sunset Way, St. Petersburg Beach location.

Project Projections:

2018 O&M expenditures are expected to be \$15k.

Form 42-5P Page 3 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 25 of 48

Project Title: Pipeline Integrity Management (PIM) - Bartow/Anclote Pipeline Project No. 3

Project Description:

The U.S. Department of Transportation (USDOT) Regulation 49 CFR Part 195, as amended effective 2/15/02, and the new regulation published at 67 Federal Register 2136 on 1/16/02, requires DEF to implement a PIM program. Prior to the 2/15/02 amendments, the USDOT's PIM regulations applied only to operators with 500 miles or more of hazardous liquid and carbon dioxide pipelines that could affect high consequence areas. The amendments which became effective on 2/15/02, extended the requirements for implementing integrity management to operators who have less than 500 miles of regulated pipelines. As such, DEF must maintain the integrity of pipeline systems in order to protect public safety and the environment, and comply with continual assessment and evaluation of pipeline systems integrity through inspection or testing, data integration and analysis, and follow up with remedial, preventative, and mitigative actions. DEF owns one hazardous liquid pipeline, Bartow/Anclote 14-inch hot oil pipeline, extending 33.3 miles from the Company's Bartow Plant north of St. Petersburg to the Anclote Plant in Holiday, that is subject to PIM regulations.

Effective 2/2010, amendments to 49 CFR 195 were finalized to improve opportunities to reduce risk through more effective control of pipelines. Compliance with these amendments will enhance pipeline safety by coupling strengthened control room management with improved controller training and fatigue management. On 6/16/11, the USDOT published in the Federal Register (V0I. 76, 35130-35136), a final rule effective 8/15/11, that expedites the program implementation deadlines in the Control Room Management/Human Factors regulations in order to realize the safety benefits sooner than established in the original rule. This final rule amends the program implementation deadlines for different procedures to no later than 10/21/11 and 8/1/12.

Project Accomplishments:

Since the Bartow Anclote Pipeline (BAP) contains a small quantity of #6 fuel oil, the PIM program under 49CFR195 continues to be maintained. Third party projects by Florida Department of Transportation (FDOT), Florida Gas Transmission, Pinellas County, The City of Pinellas Park, and others have been evaluated for their risk to BAP integrity. Risk mitigation measures have been completed per 49CFR195.450. The BAP Risk Analysis has been updated. The Annual Report and National Pipeline Mapping System (NPMS) annual review have been completed. Reviews and evaluations are also being completed for Advisory Bulletins 11-04, 13-02, 15-01, and 15-02, relating to flooding and hurricanes. BAP personnel have participated in US Department of Transportation Pipeline and Hazardous Material Safety Administration (PHMSA), utility owners groups, damage prevention groups, and FDOT workshops and training. Pipeline accidents and PHMSA enforcement actions have been reviewed for conditions that are applicable to the BAP and appropriate changes to BAP practices and procedures have been implemented. Pipeline records are being organized and stored with the conversion to electronic storage now essentially complete.

In 2016, pipeline ownership was transferred from the Fossil Hydro Operations group to Plant Retirement and Demolition, in preparation for pipeline retirement that is expected to occur in 2016. Once retired, the pipeline will be cleaned to remove any remaining oil. Once cleaned, the requirements described above in the PIM program will no longer be required. Cleaning is expected to occur in 2016, with any required demolition activities in 2017. As of the end of 2016, three of the four sub-projects were retired and approved to be amortized over three years - Project 3.1b Pipeline Leak Detection, Project 3.1c Pipeline Controls Upgrade, and Project 3.1d Control Room Management.

The final sub-project 3.1a - Alderman Road Fence was retired June 2017 and recorded as regulatory asset. This will be amortized over 26 months so all four parts of this project will be fully amortized as of September 2019.

Project Fiscal Expenditures:

No capital or O&M expenditures are estimated for 2017.

Project Progress Summary:

Projects 3.1b (Pipeline leak Detection), 3.1c (Pipeline Controls Upgrade), and 3.1d (Control Room Management) were retired in August 2016. Project 3.1a (Alderman Road Fence) retired June 2017.

Project Projections: No capital or O&M expenditures are estimated for 2018

Form 42-5P Page 4 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 26 of 48

Project Title: Above Ground Storage Tank Secondary Containment Project No. 4

Project Description:

FDEP Rule 62-761.510(3) states that DEF is required to make improvements to its above ground petroleum storage tanks in order to comply with those provisions. Subsection (d) of the rule requires all internally lined single bottom above ground storage tanks to be upgraded with secondary containment, including secondary containment for piping in contact with the soil. Rule 62-761.500(1)(e) also requires that dike field area containment for pre-1998 tanks be upgraded, if needed, to comply with the requirement.

Project Accomplishments:

DEF has completed work at Debary 1 and 2, Turner 7, Turner 8, Higgins 1, and Bartow 6 as well as Turner P-1 and P-2 piping work.

Project Fiscal Expenditures:

No project expenditures are expected in 2017.

Project Progress Summary:

DEF continually evaluates its compliance program, including project prioritization, schedule and technology applications. Project 4.1a (Turner CTs) was retired in March 2016. Consistent with DEF's petition filed August 4, 2016, DEF is treating the unrecovered investments as a regulatory asset, amortizing it over three years beginning April 2016 until fully recovered in 2019, with a return on the return on the unamortized balance.

Project Projections:

No project expenditures are expected in 2018.

Form 42-5P Page 5 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 27 of 48

Project Title:SO2 and NOx Emissions AllowancesProject No. 5

Project Description:

In accordance with the Acid Rain Program in Title IV of the Clean Air Act, CFR 40 Part 73 and Part 76, Florida Administrative Code Rule 62-214 and the Clean Air Interstate Rule (CAIR), DEF manages sulfur dioxide (SO₂) and nitrogen oxide (NOx)allowance inventory to offset emissions. On 7/6/11, the EPA issued the Cross-State Air Pollution Rule (CSAPR) to replace the CAIR. The CSAPR significantly alters SO₂ and NOx allowance programs. Under the CAIR, Florida has to comply with annual SO₂ and NOx emission requirements, and seasonal NOx emission requirements. Under the CSAPR, Florida is no longer required to comply with annual emissions requirements, only ozone seasonal limits. On 8/8/11, the final CSAPR was published in the Federal Register. The CSAPR sets state-level annual and seasonal SO₂ and NOx emission allowance requirements effective 1/1/12.

On 8/21/12, the D.C. Circuit Court vacated the CSAPR. It also directed the EPA to continue administering the CAIR which requires additional reductions in SO₂ and NOx emissions beginning in 2015. On 4/29/14, the U.S. Supreme Court reversed the D.C. Circuit Court decision finding that with CSAPR the EPA reasonably interpreted the good neighbor provision of the Clean Air Act. The case was then remanded to the D.C. Circuit Court for further proceedings, and the EPA requested the court lift the CSAPR stay and direct it to take effect on 1/1/15. On 10/23/14 the D.C. Circuit Court lifted the CSAPR stay. On 1/1/15, the CSAPR replaced the CAIR. The CSAPR took effect in Florida on 5/1/15. Consequently, CAIR NOx emission allowances have no value; however, SO2 emission allowances can continue to be used to comply with the Acid Rain Program. DEF treated its unused NOx costs as a regulatory asset amortizing it over 3 years, as approved by the Commission in Order No. PSC-2011-0553-FOF-EI. These are fully recovered as of December 2017.

Project Accomplishments:

Air quality compliance costs are administered by an authorized account representative who evaluates a variety of resources and options. Activities performed include purchases of SO2 and NOx emissions allowances as well as auctions and transfers of SO2 emissions allowances.

Project Fiscal Expenditures: 2017 O&M is forecasted to be \$3.7M.

Project Progress Summary:

DEF continually evaluates the status of emission rules to maximize the cost effectiveness of its compliance strategy.

Project Projections: 2018 O&M expenditures are projected to be \$26k.

Form 42-5P Page 6 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 28 of 48

Project Title: Phase II Cooling Water Intake Project No. 6

Project Description:

Section 316(b) of the Federal Clean Water Act requires that the location, design, construction, and capacity of cooling water intake structures reflect the best technology available for minimizing adverse environmental impact. 33 U.S.C. Section 1326. On 5/19/14, the EPA Administrator signed a final 316(b) rule to protect fish and aquatic life drawn into cooling systems at power plant and factories. The rule aims to minimize impingement (aquatic life pinned against cooling water intake structures) and entrainment (aquatic life drawn into cooling water systems). The regulation became effective on October 14, 2014, 60 days after publication in the Federal Register which was 8/15/14.

EPA's regulation implementing §316(b) of the Clean Water Act for existing facilities was published on August 15, 2014. The regulation aims to minimize adverse environmental impacts to fish and other aquatic organisms from the operation of cooling water intake structures. The regulation became effective October 14, 2014, 60 days after publication in the Federal Register. The regulation primarily applies to existing power generating facilities that commenced construction prior to or on January 17, 2002 and to new units at existing facilities that are built to increase the generating capacity of the facility.

According to the current 316(b) rule, required studies and information submittals will be due with the renewal of the NPDES permit application for permits that expire after July 18, 2018. Permittees with a current NPDES permit that expires before July 18, 2018 may request the FDEP establish an alternative schedule for submitting the required information. This rule is applicable to Anclote, Bartow, Suwannee, Crystal River South, and Crystal River North stations.

Project Accomplishments:

DEF is currently evaluating the 316(b) rule to determine potential study requirements, operating and cost impacts to its generating stations. Site specific strategic plans, studies, and implementation plans are under development to ensure compliance with all applicable requirements of the rule.

Project Fiscal Expenditures:

2017 O&M expenditures are estimated to be \$227k. 2017 Capital expenditures are estimated to be \$1.7M.

Project Progress Summary:

Initial steps in site specific plan development have been completed. Work continues on plans for implementation, decision milestones, compliance approaches, and study requirements. Procurement of long lead time equipment and material in 2018, and selection of contractor services for the Crystal River Project.

Project Projections:

2018 estimated O&M expenditures are \$245k, capital expenditures are \$1.7M.

Form 42-5P Page 7 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 29 of 48

Project Title: Integrated Clean Air Compliance Plan - Clean Air Interstate Rule (CAIR) Project Nos. (7.2, 7.3 & 7.4)

Project Description:

The Clean Air Interstate Rule (CAIR), 40 CFR 24, 262, imposes significant restrictions on emissions of SO_2 and NOx from power plants in 28 eastern states, including Florida and the District of Columbia. The CAIR rule apportions region-wide SO_2 and NOx emission reduction requirements to the individual states, and further requires each affected state to revise its State Implementation Plans (SIPs) to include measures necessary to achieve its emission reduction budget within prescribed deadlines.

The Cross-State air pollution Rule (CSAPR) replaced CAIR on 1/1/15. Under the CSAPR, the State of Florida is no longer required to comply with annual emission requirements, only NOx ozone seasonal limits. The CSAPR requirements took effect in Florida on 5/1/15, the beginning of the ozone season. NOx emission allowances under CAIR have no value; however, DEF will continue to use its SO2 emission allowances to comply with the Acid Rain Program. (see Project No. 5 - SO2 and NOx Emission Allowances Project Sheet for more information).

The Florida Department of Environmental Protection ("FDEP") Conditions of Certification, dated August 1, 2012, require DEF to evaluate an alternative disposal method of FGD Blowdown wastewater based on results of groundwater monitoring near percolation ponds. DEF is installing a physical/chemical treatment system to treat FGD Blowdown wastewater with discharge to surface water or percolation ponds.

Project Accomplishments:

Final review of existing FGD Wastewater treatment (WWT) systems across the Duke Energy fleet consisting of physical/chemical and biological technologies, and after several comprehensive design reviews of vendor equipment and balance of plant components, DEF has developed preliminary estimated costs to operate and maintain the CR 4&5 FGD WWT system, which includes employee and contractor labor costs, wastewater treatment chemical costs and material handling and maintenance expenses. Project construction has begun and will continue through 2018. DEF expects this project to be placed in-service in Q4 2018.

Project Fiscal Expenditures:

For 2017, O&M expenditures for CAIR/CAMR – Peaking (Project 7.2) are projected to be \$0, which is \$92k or 100% lower than originally projected due to the requirement for CT units to report emissions data to the EPA being eliminated. For the CAIR/CAMR Crystal River Program (Project 7.4), O&M is forecasted be \$33.7M, which is \$1M lower primarily attributable to lower than projected usage of Limestone and temporary staffing vacancies which are expected to be filled later this year. Capital expenditures for CAIR/CAMR Crystal River - Conditions of Certification (Project 7.4) are expected to be \$25.6M, which is approximately \$8.4M less than originally forecasted due to finalization of design and engineering being later than originally planned. As a result, some capital expenditures originally projected in 2017 are expected to occur in 2018.

Project Progress Summary:

DEF continues to comply with the CAIR, CSAPR and the Acid Rain Program. The FGD WWT project will comply with EPA's CCR rule, ELG requirements, and FDEP's Consent Order OCG Case No. 09-3463D, Third Amendment.

Project Projections:

2018 estimated O&M and capital expenditures are \$33.2M and \$41.6M respectively.

Form 42-5P Page 8 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 30 of 48

Project Title: Best Available Retrofit Technology (BART) Project No. 7.5

Project Description:

On 5/25/12, the EPA proposed a partial disapproval of Florida's proposed Regional Haze State Implementation Plan (SIP) because the proposed SIP relies on CAIR to satisfy BART requirements for SO₂ and NOx emissions. CAIR remained in effect while litigation against the Cross State Air Pollution Rule (CSAPR) proceeded, and the EPA incorporated the CSAPR in place of CAIR into Regional Haze SIPs, including Florida. DEF worked with the FDEP to develop specific BART and Reasonable Progress permits for affected units that were incorporated into Florida's revised SIP submittal, which was filed with EPA on 9/17/12. The final BART permit applications for Crystal River fossil units were submitted to EPA on 10/15/12 as a supplement to the 9/17/12 submittal. Permitting was finalized in 2013 with an effective date of January 1, 2014.

Project Accomplishments:

DEF performed required emissions modeling and associated BART analysis for Crystal River 1&2 (CR1&2) and Anclote plants, developed and submitted a Reasonable Progress evaluation for Crystal River 4&5, developed and submitted necessary BART Implementation Plans and air construction permit applications in support of the FDEP's work to amend its SIP as directed by the EPA. Permitting actions were completed in 2013 with the effective date of the CR 1& 2 permit being January 1, 2014.

Project Fiscal Expenditures:

No project expenditures are expected in 2017.

Project Progress Summary:

DEF performed required emissions modeling and associated BART analysis for CR1&2 and Anclote, developed and submitted a Reasonable Progress evaluation for Crystal River 4&5, developed and submitted necessary BART Implementation Plans and air construction permit applications needed in support of the FDEP ongoing work to amend its State Implementation Plan as directed by the EPA. Based on the revised

Regional Haze SIP incorporating the provisions of Crystal River's BART permits for SO₂ and NOx, EPA on 12/10/12 proposed approval of the SIP. In August 2013, EPA finalized the full approval of the SIP. The Crystal River South BART permit became effective on January 1, 2014 and DEF is now operating under the terms of that permit.

Project Projections: No project expenditures are expected in 2018.

Form 42-5P Page 9 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 31 of 48

Project Title: Arsenic Groundwater Standard Project No. 8

Project Description:

On 12/22/01, the EPA adopted a new maximum contaminant level (MCL) for arsenic in drinking water replacing the previous standard of 0.050 mg/L (50 ppb) with a new MCL of 0.010 mg/L (10 ppb). Effective 1/1/05, the FDEP established the USEPA MCL as Florida's drinking water standard. See Rule 62-550 F.A.C. The new standard has compliance implications for land application and water reuse projects in Florida with arsenic ground water monitoring levels above 10 ppb because the drinking water standard has been established as the groundwater standard by Rule 62-520-420(1), F.A.C.

Project Accomplishments:

A Plan of Study (POS) to evaluate the source of arsenic at the site was implemented on November 2011. A POS Addendum that included a leachability study and proposed abandoning one well and installing 3 new wells was implemented in February 2012. An additional Flue Gas Desulfurization (FGD) Wastewater Treatment Study was conducted in May 2013. The results of these studies indicated that Arsenic is naturally occurring in some areas but there is also a contribution from the FGD discharge from the lined treatment pond to the percolation ponds, and from the industrial wastewater from Crystal River Units 1 & 2. These sources are being addressed by the construction of a new FGD wastewater treatment system and retirement of Units 1 & 2, both scheduled to be completed by December 31, 2018. Additional assessment has been initiated around the area of ground water wells still exceeding the Arsenic standard of 10 ppb that are not affected by the sources already identified.

Project Fiscal Expenditures:

2017 O&M expenditures are expected to be \$120k.

Project Progress Summary:

DEF is evaluating monitoring data and other options to achieve compliance in accordance to Consent Order.

2018 O&M expenditures are forecasted to be \$150k.

Form 42-5P Page 10 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 32 of 48

Project Title: Sea Turtle - Coastal Street Lighting Project No. 9

Project Description:

DEF owns and leases high pressure sodium streetlights throughout its service territory, including areas along the Florida coast. Pursuant to Section 161.163, Florida Statutes, the FDEP, in collaboration with the Florida Fish and Wildlife Conservation Commission (FFWCC) and the U.S. Fish & Wildlife Service (USFWS), has developed a model Sea Turtle lighting ordinance. The model ordinance is used by the local governments to develop and implement ordinances within its jurisdiction. To date, Sea Turtle lighting ordinances have been adopted in Franklin County, Gulf County, City of Mexico Beach in Bay County and Pinellas County, all of which are within DEF's service territory. Since 2004, officials from the various local governments, as well as the FDEP, FFWC, and USFWS, have advised DEF that lighting it owns and leases is affecting turtle nesting areas that fall within the scope of these ordinances. As a result, local governments require DEF to take additional measures to satisfy new criteria being applied to ensure compliance with the sea turtle ordinances.

Project Accomplishments:

DEF continues to work with Franklin County, Gulf County, City of Mexico Beach in Bay County, and Pinellas County to mitigate any potential sea turtle nesting issues by retrofitting existing street lights, placing amber shields on existing HPS street lights and monitoring street lights for effectiveness in complying with sea turtle ordinances.

Project Fiscal Expenditures:

2017 Capital and O&M expenditures are estimated to be zero. At the time of this filing, turtle nesting season has begun and DEF has not received any requests from Gulf County or Pinellas County Code Enforcement of any issues regarding new lighting fixtures.

Project Projections:

2018 estimated O&M and Capital expenditures are \$350 and \$400 respectively.

Form 42-5P Page 11 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 33 of 48

Project Title: Underground Storage Tanks Project No. 10

Project Description:

FDEP regulations require that underground pollutant storage tanks and small diameter piping be upgraded with secondary containment by 12/31/09. See Rule 62-761.510(5), F.A.C. DEF identified four tanks that must comply with this rule: two at Crystal River Plant and two at Bartow Plant.

Project Accomplishments:

Work on Crystal River and Bartow USTs was completed in 4th Qtr 2006.

Project Fiscal Expenditures:

There are no 2017 estimated expenditures for this project.

Project Progress Summary:

DEF continually evaluates its compliance program, including project prioritization, schedule and technology applications.

Project Projections:

No 2018 expenditures are expected for this project.

Form 42-5P Page 12 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 34 of 48

Project Title:Modular Cooling TowersProject No. 11

Project Description:

This project involves installation and operation of modular cooling towers in the summer months to minimize de-rates of Crystal River 1&2 (CR1&2) necessary to comply with the NPDES permit limit for the temperature of cooling water discharged from the units.

Project Accomplishments:

Vendors of modular cooling towers were evaluated regarding cost of installation and operation. The FDEP reviewed the project and approved operation. A vendor was selected and the towers were installed during the 2nd Qtr 2006.

Project Fiscal Expenditures:

There are no 2017 estimated expenditures for this project.

Project Progress Summary:

The modular cooling towers began operation in June 2006 and successfully minimized de-rates of CR 1&2. The towers were removed during the first half of 2012. This project is complete.

Project Projections:

No 2018 expenditures are expected for this project.

Form 42-5P Page 13 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 35 of 48

Project Title: Crystal River Thermal Discharge Compliance Project Project No. 11.1

Project Description:

This project was to evaluate and implement the best long term solution to maintain compliance with the thermal discharge limit in the FDEP industrial wastewater permit for Crystal River Units 1,2&3 that was being addressed in the short term by the Modular Cooling Towers approved in Docket No. 20060162-EI. Due to DEF's decision to retire CR3, this project is no longer necessary and will not be implemented.

Project Accomplishments:

The study phase of the project was completed with a recommendation to replace the leased modular cooling towers in coordination with the cooling solution for the CR3 Extended Power Uprate (EPU) discharge canal cooling solution. The new cooling tower associated with the CR3 EPU was to be sized to mitigate both increased temperatures from the EPU as well as replace the modular cooling towers, which were removed in 2012. The design contract for the CR3 EPU cooling tower was awarded and a vendor selected. In February 2013, DEF decided to retire CR3; therefore, the project will not proceed.

Project Fiscal Expenditures:

There are no 2017 estimated expenditures for this project.

Project Progress Summary:

Crystal River Units 1,2&3 utilize a once-through cooling water process to cool and condense turbine exhaust steam back to water. The cooling water is removed from the Gulf of Mexico via an intake canal and discharged to a common discharge canal shared by all of the generating units. DEF has a NPDES industrial wastewater permit from the FDEP to discharge this cooling water from CR 1,2&3 into the Gulf of Mexico. The FDEP NPDES permit includes a limit on the temperature of the cooling water discharge (96.5 degrees Fahrenheit on a three-hour rolling average) measured at the point of discharge to the Gulf of Mexico. The new cooling towers were being added as a long term solution to the issue of higher ambient water temperatures previously being addressed by the modular cooling towers and added heat rejection due to the estimated 180MWe Uprate of CR3. With the retirement of CR3, the heat rejection associated with the entire unit is removed and therefore the new cooling tower is not necessary for the continued operation of CR 1&2 within the NPDES permit limits.

Project Projections:

Form 42-5P Page 14 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 36 of 48

Project Title: Greenhouse Gas (GHG) Inventory and Reporting Project No. 12

Project Description:

The GHG Inventory and Reporting Program was created in response to Chapter 2008-277, Florida Laws, which established the Florida Climate Protection Act to be codified at section 403.44, Florida Statutes. Among other things, this legislation authorizes the FDEP to establish a cap and trade program for GHG emissions from power plants. Utilities subject to the program, including DEF, will be required to use The Climate Registry for purposes of GHG emission registration and reporting. The requirement to report to The Climate Registry was repealed during the 2010 legislative session; however, the EPA GHG Reporting Rule (40 CFR 98) does require DEF to submit 2010 GHG data to the EPA no later than 9/30/2011.

Project Accomplishments:

In 2009, DEF joined The Climate Registry and submitted 2008 GHG inventory data. 2009 data was submitted during the third quarter of 2010. Both 2008 and 2009 data was validated by a third party as required by The Climate Registry. 2010 GHG inventory data was submitted to EPA on 9/30/11 and EPA does not require data validation by a third party. DEF has discontinued its membership with The Climate Registry. Since third party validation is not required by the EPA, no future expenditures will be incurred by DEF, resulting in the completion of this project.

Project Fiscal Expenditures:

There are no 2017 estimated expenditures for this project.

Project Progress Summary:

DEF submits GHG inventory data directly to EPA which does not require third party validation. Membership with The Climate Registry has been discontinued.

Project Projections:

Form 42-5P Page 15 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 37 of 48

Project Title: Mercury Total Daily Maximum Loads Monitoring (TMDL) Project No. 13

Project Description:

Section 303(d) of the Federal Clean Water Act requires each state to identify state waters not meeting water quality standards and establish a TMDL for the pollutant or pollutants causing the failure to meet standards. Under a 1999 federal consent decree, TMDLs for over 100 Florida water bodies listed as impaired for mercury must be established by 9/12/12. The FDEP has initiated a research program to provide necessary information for setting appropriate TMDLs for mercury. Among other things, the study will assess the relative contributions of mercury-emitting sources, such as coal-fired power plants, to mercury levels in surface waters.

Project Accomplishments:

Atmospheric & Environmental Research, Inc (AER) completed the literature review on mercury deposition in Florida. This document was sent to the FDEP Division of Air Resource Management and the TMDL team for review in February 2009. In addition, the Florida Electric Power Coordinating Group (FCG) Mercury Task Force met with FDEP Division of Air Resource Management to discuss the review in January 2010. AER performed Florida mercury deposition modeling for the Division of Air Resource Management. The FCG Mercury Task Force contracted with Tetra Tech to conduct aquatic field sampling, including an aquatics modeling report, to develop a "Conceptual Model for the Florida Mercury TMDL." This document was finalized and submitted to the FDEP in December 2010. Key personnel from AER were employed by Environ in 2011 and FCG established a contract with Environ to ensure continuity of the project. FCG used Environ and Tetra Tech to review and critique FDEP's aquatic cycling and atmospheric modeling analyses. The FDEP developed a mercury TMDL report in the spring and summer of 2012, and it proposed a TMDL in September 2012. The EPA approved Florida's statewide mercury TMDL in a letter dated October 18, 2013. Florida's mercury TMDL covers 441 waters listed as impaired for mercury based on fish tissue mercury levels. EPA's approval letter states that if FDEP identifies any new waters to be listed as impaired for mercury, a new TMDL will not be required if the listing is caused by the factors addressed in the approved TMDL. Conversely, a new TMDL, addressing the newly listed water body, would be required if "local emission or effluent sources" are determined to be the cause of the elevated fish tissue levels that required the new listing.

Project Fiscal Expenditures:

There are no 2017 estimated expenditures for this project.

Project Progress Summary:

The mercury TMDL study concluded in 2012.

Project Projections:

Form 42-5P Page 16 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 38 of 48

Project Title: Hazardous Air Pollutants (HAPs) ICR Program Project No. 14

Project Description:

In 2009, the EPA initiated efforts to develop an Information Collection Request (ICR), which requires that owners/operators of all coal- and oilfired electric utility steam generating units provide information that will allow the EPA to assess emissions of hazardous air pollutants from each such unit. The intention of the ICR is to assist the Administrator of the EPA in developing national emission standards for hazardous air pollutants under Section 112(d) of the Clean Air Act, 42 U.S.C. 7412. Pursuant to those efforts, by letter dated 12/24/09, the EPA formally requested DEF comply with certain data collection and emissions testing requirements for several of its steam electric generating units. The EPA letter states that initial submittal of existing information must be made within 90 days, and that the remaining data must be submitted within 8 months. Collection and submittal of the requested information is mandatory under Section 114 of the Clean Air Act, 42 U.S.C. 7414.

Project Accomplishments: DEF completed and submitted the ICR to EPA during 2010. The HAPS ICR project is complete.

Project Fiscal Expenditures:

There are no 2017 estimated expenditures for this project.

Project Progress Summary:

DEF completed and submitted the ICR to EPA during 2010.

Project Projections:

Form 42-5P Page 17 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 39 of 48

Project Title: Effluent Limitation Guidelines ICR Program Project No. 15

Project Description:

The Effluent Limitation Guidelines ICR Program was created in response to Section 304 of the Federal Clean Water Act which directs the EPA to develop and periodically review regulations, called effluent guidelines, to limit the amount of pollutants that are discharged to surface waters from various point source categories. 33 U.S.C. §13 14(b). In October 2009, the EPA announced that it intended to update the effluent guidelines for the steam electric power generating point source category, which were last updated in 1982. DEF is required to complete the ICR and submit responses to the EPA within 90 days. Collection and submittal of the requested information is mandatory under Section 308 of the Clean Water Act.

Project Accomplishments:

DEF completed and submitted the ICR to the EPA in September 2010. The Effluent Limitation Guidelines ICR Program is complete.

Project Fiscal Expenditures:

There are no 2017 estimated expenditures for this project.

Project Progress Summary:

DEF completed and submitted the ICR to EPA in September 2010.

Project Projections: No 2018 expenditures are expected for this project.

Form 42-5P Page 18 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 40 of 48

Project Title: Effluent Limitation Guidelines CRN Program Project No. 15.1

Project Description:

On September 30th, 2015, U.S. Environmental Protection Agency finalized the Steam Electric Power Generating Effluent Guidelines, 40 CFR Part 423, imposing federal standards on several power plant streams that are discharged to surface water. In the final regulation, closed-loop systems or dry handling have been identified as the Best Available Technology ("BAT") for bottom ash transport water. Crystal River North Units 4 & 5 have a dry bottom ash system that utilizes dewatering bins for separation of bottom ash and water. However, the current configuration has the potential for bottom ash transport water to leave via overflows and drain into an NPDES internal outfall. Achieving the closed loop bottom ash compliance requirement is as soon as possible beginning November 1, 2018 but no later than December 31, 2023. Renewal of the Crystal River Units 4 & 5 NPDES permit is in progress and addresses this requirement. Duke Energy is seeking a compliance date of February 1, 2020 to include modification of the existing system.

Project Accomplishments:

Project is currently on temporary hold, pending the EPA Administrative Stay final decision.

Project Fiscal Expenditures:

For 2017, capital expenditures are expected to be \$111k.

Project Progress Summary: Project is currently on hold.

Project Projections:

No 2018 capital expenditures are forecasted, pending final decision of the rule.

Form 42-5P Page 19 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 41 of 48

Project Title: National Pollutant Discharge Elimination System (NPDES) Project No. 16

Project Description:

Pursuant to the Federal Clean Water Act, 33 U.S.C. § 1342, all point source discharges to navigable waters from industrial facilities must obtain permits under the NPDES Program. The FDEP administers the NPDES program in Florida. DEF's Anclote, Bartow, and Crystal River North, Crystal River South, and Suwannee NPDES permits were issued on 11/25/2015, 1/5/2016, 7/18/11, 4/7/2014, and 10/6/2016, respectively. Crystal River North NPDES permit is in the renewal process. All facilities are required to meet new permitting conditions. In Docket No. 20110007-EI, the Commission approved recovery of costs associated with new requirements included or expected to be included in the new renewal permits, including: thermal studies, aquatic organism return studies and implementation, whole effluent toxicity testing, dissolved oxygen (DO) studies (Bartow only), and freeboard limitation related studies (Bartow only). As noted in DEF's 2/8/12 program update, on 12/14/11, the FDEP issued a final NPDES renewal permit and associated Administrative Order (AO) for the Suwannee Plant. The AO includes a new requirement to assess copper discharges that DEF did not anticipate when it filed its petition in 2011.

Project Accomplishments:

DEF continues to perform whole effluent toxicity testing, implementing initial 316(b) rule requirements based on NPDES permit schedules at affected facilities which includes literature review and analysis, additional field study, and reporting requirements in accordance to NPDES permit requirements. Bartow freeboard limitation study was completed in May 2011 and submitted to FDEP on 6/23/11. The FDEP approved DEF's corrective action plan and Bartow is in compliance with Administrative Order as of December 2014. The copper discharge study at the Suwannee plant has been completed and a final report was submitted to the FDEP in June 2014 resulting in a corrective action of retiring the steam units. The Suwannee plant retired Units 1, 2 and 3 in December 2016.

Project Fiscal Expenditures:

2017 O&M expenditures are estimated to be \$70k. No capital expenditures are forecasted for 2017.

Project Progress Summary:

DEF has begun complying with the requirements of the NPDES permits. Aquatic organism return study requirements have been postponed to align with the final EPA 316(b) rule requirements (Bartow/Anclote Plants) which was published 8/15/14. The aquatic organism return requirement is not a requirement in the Crystal River North NPDES permit. The dissolved oxygen study of cooling water intake and discharge at the Bartow plant was completed and the results of the study demonstrated there is no negative impact on DO due to the plant's operation. The final DO report was submitted to the FDEP on November 20, 2012, and the Department has not required any additional action. The

Suwannee Steam station was retired and removed from service; therefore, WET testing is no longer required.

Project Projections:

2018 estimated O&M expenditures are \$32k. No capital expenditures are expected in 2018.

Form 42-5P Page 20 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 42 of 48

Project Title: Mercury & Air Toxic Standards (MATS) CR4 & CR5 Project No. 17

Project Description:

The Commission approved ECRC recovery of DEF's costs for compliance with new hazardous air pollutant standards at Crystal River Units 4 & 5 (CR4&5) in Order No. PSC-2011-0553-FOF-EI. The final MATS rule was issued by the EPA on 12/21/11. The FDEP granted a limited, one-year extension for the mercury-related requirements on 3/12/15. DEF will utilize the co-benefits of existing FGD and SCR systems as the primary MATS emission controls. CR4&5 have demonstrated compliance with all MATS requirements as of 4/16/16.

Project Accomplishments:

DEF installed oxidation-reduction potential (ORP) probes and mercury re-emission control systems for MATS emissions control. In addition, continuous emissions monitoring systems (CEMS) were installed for compliance demonstration with particulate matter (PM) and mercury emissions. Appendix K sorbent traps have been certified and maintained to serve as backup monitors for mercury CEMS.

Project Fiscal Expenditures:

2017 O&M expenditures are estimated to be \$598K.

Project Progress Summary:

Initial implementation of the CR4&5 MATS compliance plan is complete.

2018 estimated O&M is \$598k. No capital expenditures are forecasted in 2018.

Form 42-5P Page 21 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 43 of 48

Project Title:Mercury & Air Toxic Standards (MATS) Anclote Gas ConversionProject No. 17.1

Project Description:

Convert existing Anclote Units to use 100% natural gas to be in compliance with MATS as approved by the Commission in Order No. PSC-2012-0432-PAA-EI.

Project Accomplishments:

Unit 1 and Unit 2 gas conversions were completed 7/13/13 and 12/2/13, respectively. Unit 1 and Unit 2 Forced Draft (FD) fan modification work was completed 5/22/14 and 11/17/14, respectively.

Project Fiscal Expenditures:

No 2017 expenditures are expected for this project.

Project Progress Summary:

This project is in-service.

Project Projections:

Form 42-5P Page 22 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 44 of 48

Project Title:Mercury & Air Toxic Standards (MATS) CR1 & CR2Project No. 17.2

Project Description:

DEF is implementing its CR1&2 MATS Compliance Plan as approved by the Commission in Order No. PSC-2014-0173-PAA-EI. CR1&2 have demonstrated compliance with all MATS requirements as of 4/16/2016.

Project Accomplishments:

DEF finalized its CR1&2 MATS Compliance Plan in December 2013 and began implementation in early 2014. Modifications were made to the electrostatic precipitators (ESPs) to improve particulate collection efficiency, and reagent injection systems were installed to reduce hydrogen chloride (HCl) and mercury emissions. Appendix K sorbent traps were installed for compliance demonstration with mercury emissions.

Project Fiscal Expenditures:

2017 O&M expenditures are expected to be \$1.8M.

Project Progress Summary:

Implementation of the CR1&2 MATS Compliance Plan is complete.

Project Projections: 2018 estimated O&M expenditures are \$1.5M. No capital expenditures are expected in 2018.

Form 42-5P Page 23 of 23

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 45 of 48

Project Title: Coal Combustion Residual (CCR) Rule Project No. 18

Project Description:

The Coal Combustion Residual (CCR) Rule was published in the Federal Register on 4/17/15 and is effective 10/19/15. this rule regulates the disposal of CCR as non-hazardous solid waste, and contains new requirements for CCR landfills and CCR surface impoundments. It also specifies implementation guidelines for compliance. The CCR compliance deadlines vary, with compliance obligations required as early as 10/19/15. The rule is self-implementing, meaning that affected facilities must comply with the new regulations irrespective of whether the rule is adopted by the State of Florida. The rule has specific impacts on the ash landfill, Flue Gas Desulfurization (FGD) lined blowdown ponds and temporary gypsum pad at the Crystal River site. No other DEF operating facilities are impacted by the CCR rule.

Project Accomplishments:

Work continues on closure engineering for the FGD Blowdown Ponds and the groundwater assessment project. Annual inspections were completed for the FGD Blowdown Pond and Ash Landfill. Maintenance, vegetation management, and inspections for the FGD Blowdown Ponds and Ash Landfill continue.

Project Fiscal Expenditures:

2017 estimated O&M and capital expenditures are \$472k and \$62k, respectively.

Project Progress Summary:

Ash Landfill: Ground water monitoring well installation, data gathering, and analysis is being performed.

FGD Blowdown Ponds: The primary FGD pond is being dredged and inspected. Development of a closure plan for the FGD Blowdown pond is underway.

Vegetation Management & Inspection Work: More frequent mowing and inspection work is being performed, to comply with the CCR Rule.

Project Projections:

2018 estimated O&M and capital expenditures are \$351k and \$114k, respectively.

DUKE ENERGY FLORIDA, LLC Environmental Cost Recovery Clause Calculation of the Energy & Demand Allocation % by Rate Class January 2018 - December 2018

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	7(a)	(8) Class Max MW	(9)	(10)	(11)	(12)
Rate Class	Average 12CP Load Factor at Meter Class (%)	Sales at Meter (mWh) (Avg 12 CP at Meter (MW) (2)/(8760hrsx(1))	NCP Class Max Load Factor	Delivery Efficiency Factor	Sales at Source (Generation) (mWh) (2)/(5)	Avg 12 CP at Source (MW) (3)/(5)	Sales at Source (Distrib Svc Only) (mWh)	at Source Level (Distrib Svc) (7a)/(8760hrs/(4))	mWh Sales at Source Energy Allocator (%)	12CP Demand Transmission Allocator (%)	NCP Distribution Allocator (%)	12CP & 1/13 AD Demand Allocator (%)
		. ,						X /					
<u>Residential</u> RS-1, RST-1, RSL-1, RSL-2, RSS-1													
Secondary	0.518	19,998,223	4,407.79	0.401	0.9373898	21,333,945	4,702.20	21,333,945	6,080.2	51.864%	61.806%	61.275%	61.041
General Service Non-Demand													
GS-1, GST-1													
Secondary	0.682	1,915,364	320.78	0.491	0.9373898	2,043,295	342.21	2,043,295	474.7	4.967%	4.498%	4.784%	4.534
Primary	0.682	20,645	3.46	0.491	0.9737076	21,202	3.55	21,202	4.9	0.052%	0.047%	0.050%	0.047
Transmission	0.682	2,481	0.42	0.491	0.9837076	2,522	0.42	0	0.0	0.006%	0.006%	0.000%	0.006
<u>General Service</u>										5.025%	4.550%	4.834%	4.587
GS-2 Secondary	1.000	173,218	19.77	1.000	0.9373898	184,787	21.09	184,787	21.1	0.449%	0.277%	0.213%	0.290
General Service Demand													
GSD-1, GSDT-1													
Secondary	0.749	11,851,002	1,806.96	0.594	0.9373898	12,642,554	1,927.65	12,642,554	2,429.1	30.735%	25.337%	24.480%	25.752
Primary	0.749	2,168,825	330.69	0.594	0.9737076	2,227,388	339.62	2,227,388	428.0	5.415%	4.464%	4.313%	4.537
Secondary Del/ Primary Mtr	0.749	36,834	5.62	0.594	0.9737076	37,829	5.77	37,829	7.3	0.092%	0.076%	0.073%	0.077
Transm Del/ Primary Mtr	0.749	1,968	0.30	0.594	0.9737076	2,021	0.31	0	0.0	0.005%	0.004%	0.000%	0.004
Transmission	0.749	0	0.00	0.594	0.9837076	0	0.00	0	0.0	0.000%	0.000%	0.000%	0.000
SS-1 Primary	1.166	39,299	3.85	0.093	0.9737076	40,360	3.95	40,360	49.5	0.098%	0.052%	0.498%	0.056
Transm Del/ Transm Mtr	1.166	7,627	0.75	0.093	0.9837076	7,753	0.76	0	0.0	0.019%	0.010%	0.000%	0.011
Transm Del/ Primary Mtr	1.166	2,139	0.21	0.093	0.9737076	2,197	0.22	0	0.0	0.005%	0.003%	0.000%	0.003
Curtailable										36.369%	29.946%	29.364%	30.440
CS-1, CST-1, CS-2, CST-2, SS-3													
Secondary	1.305	0	0.00	0.456	0.9373898	0	0.00	0	0.0	0.000%	0.000%	0.000%	0.000
Primary	1.305	71,149	6.22	0.456	0.9737076	73,070	6.39	73,070	18.3	0.178%	0.084%	0.184%	0.091
SS-3 Primary	0.583	55,813	10.93	0.077	0.9737076	57,320	11.23	57,320	84.9	0.139%	0.148%	0.856%	
Interruptible										0.317%	0.232%	1.040%	0.238
IS-1, IST-1, IS-2, IST-2													
Secondary	1.009	88,807	10.04	0.707	0.9373898	94,739	10.71	94,739	15.3	0.230%	0.141%	0.154%	0.148
Sec Del/Primary Mtr	1.009	4,677	0.53	0.707	0.9737076	4,803	0.54	4,803	0.8	0.012%	0.007%	0.008%	0.007
Primary Del / Primary Mtr	1.009	1,263,456	142.88	0.707	0.9737076	1,297,572	146.74	1,297,572	209.7	3.154%	1.929%	2.113%	2.023
Primary Del / Transm Mtr	1.009	265	0.03	0.707	0.9837076	269	0.03	269	0.0	0.001%	0.000%	0.000%	0.000
Transm Del/ Transm Mtr	1.009	313,757	35.48	0.707	0.9837076	318,954	36.07	0	0.0	0.775%	0.474%	0.000%	0.497
Transm Del/ Primary Mtr	1.009	222,565	25.17	0.707	0.9737076	228,575	25.85	0	0.0	0.556%	0.340%	0.000%	0.356
SS-2 Primary	0.870	8,991	1.18	0.380	0.9737076	9,234	1.21	9,234	2.8	0.022%	0.016%	0.028%	0.016
Transm Del/ Transm Mtr	0.870	6,821	0.90	0.380	0.9837076	6,934	0.91	0	0.0	0.017%	0.012%	0.000%	0.012
Transm Del/ Primary Mtr	0.870	90,375	11.86	0.380	0.9737076	92,815	12.18	0	0.0	0.226%	0.160%	0.000%	0.165
Lighting										4.993%	3.079%	2.303%	3.226
LS-1 (Secondary)	5.506	378,883	7.86	0.479	0.9373898	404,190	8.38	404,190	96.3	0.983%	0.110%	0.971%	0.177
		38,723,184	7,153.67			41,134,330	7,607.99	40,472,559	9,922.8	100.000%	100.000%	100.000%	100.000
		30,723,184	/ 0.221, /			41,104,330	7,007.99	40,472,339	9,922.8	100.000%	100.000%	100.000%	100.000

(1)	Average 12CP load factor based on load research study filed July 31, 2015	(7)	Column 3 / Column 5
(2)	Projected kWh sales for the period January 2018 to December 2018	(7a)	Column 6 excluding transm
(3)	Calculated: Column 2 / (8,760 hours x Column 1)	(8)	Calculated: Column 7a / (8
(4)	NCP load factor based on load research study filed July 31, 2015	(9)	Column 6/ Total Column 6
(5)	Based on system average line loss analysis for 2016	(10)	Column 7/ Total Column 7
(6)	Column 2 / Column 5	(11)	Column 8/ Total Column 8
		(12)	Column 9 x 1/13 + Column

Form 42-6P

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 46 of 48

smission service

/ (8,760 hours/ Column 4)

6

7

8

nn 10 x 12/13

DUKE ENERGY FLORIDA, LLC Environmental Cost Recovery Clause Calculation of Environmental Cost Recovery Clause Rate Factors by Rate Class January 2018 - December 2018

Revised

Rate Class	(1) mWh Sales at Source Energy Allocator (%)	(2) 12CP Transmission Demand Allocator (%)	(3) NCP Distribution Allocator (%)	(4) 12CP & 1/13th AD Demand Allocator (%)	(5) Energy- Related Costs (\$)	(6) Transmission Demand Costs (\$)	(7) Distribution Demand Costs (\$)	(8) Production Demand Costs (\$)	(9) Total Environmental Costs (\$)	(10) Projected Effective Sales at Meter Level (mWh)	(11) Environmental Cost Recovery Factors (cents/kWh)
Residential											
RS-1, RST-1, RSL-1, RSL-2, RSS-1											
Secondary	51.864%	61.806%	61.275%	61.041%	\$28,531,423	\$208,902	\$270,574	\$2,453,981	\$31,464,880	19,998,223	0.157
General Service Non-Demand GS-1, GST-1											
Secondary										1,915,364	0.154
Primary										20,439	0.152
Transmission TOTAL GS	E 025%	4 550%	4.834%	1 5 9 7 9/	¢2 764 274	¢1E 290	¢21 24E	¢194 207	\$2.08E.40E	2,431	0.151
TOTAL GS	5.025%	4.550%	4.834%	4.587%	\$2,764,374	\$15,380	\$21,345	\$184,397	\$2,985,495	1,938,234	
General Service	0.4409/	0 7770/	0 21 29/	0.200%	6247 120	ćooz	¢028 72	611 C70 A7	\$260.684	172 219	0.150
55-2 Secondary	0.449%	0.277%	0.213%	0.290%	\$247,129	\$937	\$938.72	\$11,678.47	\$260,684	173,218	0.150
General Service Demand											
GSD-1, GSDT-1, SS-1 Secondary										11,851,002	0.152
Primary										2,226,574	0.152
Transmission										7,474	0.149
TOTAL GSD	36.369%	29.946%	29.364%	30.440%	\$20,007,224	\$101,216	\$129,663	\$1,223,741	\$21,461,844	14,085,051	
CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3 Secondary Primary Transmission										0 125,692 -	0.151 0.149 0.148
TOTAL CS	0.317%	0.232%	1.040%	0.238%	\$174,380	\$783	\$4,594	\$9,575	\$189,332	125,692	
nterruptible S-1, IST-1, IS-2, IST-2, SS-2 Secondary Primary Transmission										88,807 1,574,163 314,426	0.147 0.146 0.144
TOTAL IS	4.993%	3.079%	2.303%	3.226%	\$2,746,822	\$10,407	\$10,171	\$129,702	\$2,897,102	1,977,397	
<u>.ighting</u> . S-1 Secondary	0.983%	0.110%	0.971%	0.177%	\$540,552	\$372	\$4,286.59	\$7,126.21	\$552,337	378,883	0.146

(Column 9 / Column 10)/10

(11)

Form 42-7P

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. ___ (CAM-5) Page 47 of 48

Form 42 8P

Docket No. 20170007-EI Duke Energy Florida, LLC Witness: C. A. Menendez Exh. No. __ (CAM-5) Page 48 of 48

DUKE ENERGY FLORIDA, LLC Environmental Cost Recovery Clause Calculation of Projection Amount January 2018 - December 2018

Capital Structure and Cost Rates

						PreTax	
					Weighted	Weighted Cost	
Class of Capital	Retail	Amount	Ratio	Cost Rate	Cost Rate	Rate	
CE	\$4,72	11,485,475	44.73%	0.10500	4.697%	7.646%	
PS		\$0	0.00%	0.00000	0.000%	0.000%	
LTD	\$3,931,532,102		37.33%	0.05290	1.975%	1.975%	
STD	\$102,874,989		0.98%	0.00210	0.002%	0.002%	
CD-Active	\$191,024,808		1.81%	0.02260	0.041%	0.041%	
CD-Inactive	\$1,455,315		0.01%	0.00000	0.000%	0.000%	
ADIT	\$1,77	72,932,910	16.83%	0.00000	0.000%	0.000%	
FAS 109	(\$18	30,390,549)	-1.71%	0.00000	0.000%	0.000%	
ITC	9	\$1,967,889	0.02%	0.00000	0.000%	0.000%	
Total	\$ 10,53	32,882,939	100.00%		6.715%	9.664%	
			-	Total Debt	2.018%	2.018%	
			-	Total Equity	4.697%	7.646%	

May 2017 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.