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October 11, 2019

BY E-PORTAL

Mr. Adam Teitzman, Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850

Re: Docket No. 20190173-GU – Joint Petition for Approval of GRIP Cost Recovery Factors by Florida Public Utilities Company, Florida Public Utilities Company-Fort Meade, and Florida Division of Chesapeake Utilities Corporation.

Dear Mr. Teitzman:

Attached for electronic filing, please find the Joint Responses of Florida Public Utilities Company, Florida Public Utilities Company-Indiantown Division, Florida Public Utilities Company-Fort Meade, and the Florida Division of Chesapeake Utilities Corporation to Staff's Second Data Requests in the referenced docket.

As always, thank you for your assistance in connection with this filing. If you have any questions whatsoever, please do not hesitate to let me know.

Sincerely,

Beth Keating

Gunster, Yoakley & Stewart, P.A. 215 South Monroe St., Suite 601

Tallahassee, FL 32301

(850) 521-1706

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Docket No. 20190173-GU – Joint Petition for Approval of GRIP Cost Recovery Factors by Florida Public Utilities Company, Florida Public Utilities Company-Fort Meade, and Florida Division of Chesapeake Utilities Corporation.

The responses of the FPUC Companies to Staff's second data requests are below:

 Please state why Florida Public Utilities Company, Florida Public Utilities Company-Fort Meade, and Florida Division of Chesapeake Utilities Corporation (FPUC/CPK) did not make a consistency and proration adjustment to the WACC to comply with the normalization rules in IRC § 1.167(1)-1(h)(6).

Company's Response:

FPUC and Chesapeake (Companies) believed that FPSC Order No. PSC-2012-0425-PAA-EU, which addressed compliance with IRC 1.167(1)-1(h)(6), related only to clause-recoverable investments for electric utilities. Since this docket pertains to natural gas, the Companies did not make the consistency and proration adjustment to WACC. Also, the Companies have previously filed and received approval from this Commission on its methodology on the calculation of WACC since GRIP's inception in 2012. Therefore, the Companies believed that they were in compliance with all rules and orders.

2. How does FPUC/CPK know its WACC is compliant with IRC § 167 and § 168?

Company's Response:

Please see response to No. 1 above.

3. Please provide the WACC using the consistency rule per IRC § 168(i)(9)(B) and proration adjustments according to IRC § 1.167(1)-1(h)(6)(ii), even if an adjustment to the WACC is not required.

Company's Response:

Please see Attachment A.

4. Please provide a revised revenue requirement using the consistency and proration adjustments per IRC § 168(i)(9)(B) and § 1.167(1)-1(h)(6)(ii), even if an adjustment to its WACC is not required.

Company's Response:

Please see Attachment B.

FPU

		Consistency and Pro-		Pro-Rata	Specific	Adjusted			
	Per Book	Rata Adjustment	Books Adjusted	Adjustment	Adjustment	Balance	Cap Ratio	Cost Rate	Weighted Cost
Common Equity	\$94,385,921	(\$1,254,144)	\$93,131,777	\$1,538,972	(\$2,469,682)	\$92,201,067	39.41%	10.89	5% 4.28%
Long Term Debt	\$39,631,777	(\$526,603)	\$39,105,173	\$646,200		\$39,751,373	16.99%	4.04	
Short Term Debt	\$46,141,408	(\$613,099)	\$45,528,309	\$752,340		\$46,280,649	19.78%	2.94	
LTD Corporate	\$5,491,366	(\$72,966)	\$5,418,400	\$89,537		\$5,507,937	2.35%	_	
Cust Dep Active	\$8,146,930		\$8,146,930			\$8,146,930	3.48%		
Deferred Income Tax	\$39,621,946	\$2,466,812	\$42,088,758			\$42,088,758	17.99%		
Total	\$233,419,347		\$233,419,347	\$3,027,049	(\$2,469,682)	\$233,976,714	100%		5.90%

	To Month	otal Deferred Income Tax Balance	•	•	Days to Prorate	Future Days in Period	Prorated Deprec- Related ADFIT Activity	Prorated Deprec- Related ADFIT Balance
Projected	Dec-19	41,749,520	41,749,520					41,749,520
Projected	Jan-20	41,841,439	41,841,439	91,919	31	336	84,384	41,833,905
Projected	Feb-20	41,933,358	41,933,358	91,919	29	307	77,101	41,911,006
Projected	Mar-20	42,025,276	42,025,276	91,919	31	276	69,316	41,980,322
Projected	Apr-20	42,117,195	42,117,195	91,919	30	246	61,781	42,042,103
Projected	May-20	42,209,114	42,209,114	91,919	31	215	53,996	42,096,099
Projected	Jun-20	42,301,032	42,301,032	91,919	30	185	46,462	42,142,561
Projected	Jul-20	42,392,951	42,392,951	91,919	31	154	38,676	42,181,237
Projected	Aug-20	42,484,870	42,484,870	91,919	31	123	30,891	42,212,127
Projected	Sep-20	42,576,788	42,576,788	91,919	30	93	23,356	42,235,484
Projected	Oct-20	42,668,707	42,668,707	91,919	31	62	15,571	42,251,055
Projected	Nov-20	42,760,626	42,760,626	91,919	30		8,037	42,259,091
Projected	Dec-20	42,852,544	42,852,544	91,919	31	1	251	42,259,342
		42,301,032	42,301,032	1,103,024	366		509,822	42,088,758
2018 YE Surveil Bai.	_	39,621,946	39,621,946				13-Month Avg. Bal	42,301,032
Consistency Adjustment	_	2,679,087	2,679,087				Proration Adj.	(212,275)
Proration Adjustment			(212,275)				•	(,
Total Adjustment			2,466,812					

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		Consistency and Pro-		Pro-Rata	Specific	Adjusted			
	Per Book	Rata Adjustment	Books Adjusted	Adjustment	Adjustment	Balance	Cap Ratio	Cost Rate	Weighted Cost
Common Equity	\$37,890,035	(\$632,793)	\$37,257,242	\$0	(\$68,216)	\$37,189,026	40.05%	10.859	% 4.35%
Long Term Debt	\$17,595,675	(\$293,861)	\$17,301,814	\$0	(\$31,678)	\$17,270,136	18.60%	4.049	
Short Term Debt	\$18,522,885	(\$309,347)	\$18,213,538	\$0	(\$33,347)	\$18,180,191	19.58%	2.949	
LTD Corporate	\$0	\$0	\$0	\$0	,	\$0	0.00%	11.709	
Cust Dep Active	\$1,138,435		\$1,138,435			\$1,138,435	1.23%		
Deferred Income Tax	\$17,844,457	\$1,236,001	\$19,080,458	···		\$19,080,458	20.55%		
Total	\$92,991,487		\$92,991,487	\$0	(\$133,241)	\$92,858,246	100%		5.70%

		Total Deferred Income Tax Balance			Days to Prorate	Future Days in	Prorated Deprec- Related ADFIT	Prorated Deprec- Related ADFIT
Projected	Month Dec 10		-	ADFIT ACTIVITY	Days to Prorate	Period	Activity	Balance
•	Dec-19	18,919,370	18,919,370					18,919,370
Projected	Jan-20	18,963,018	18,963,018	43,648	31	336	40,070	18,959,440
Projected	Feb-20	19,006,666	19,006,666	43,648	29	307	36,612	18,996,052
Projected	Mar-20	19,050,313	19,050,313	43,648	31	276	32,915	19,028,966
Projected	Apr-20	19,093,961	19,093,961	43,648	30	246	29,337	19,058,304
Projected	May-20	19,137,609	19,137,609	43,648	31	215	25,640	19,083,944
Projected	Jun-20	19,181,257	19,181,257	43,648	30	185	22,062	19,106,006
Projected	Jul-20	19,224,905	19,224,905	43,648	31	154	18,366	19,124,372
Projected	Aug-20	19,268,553	19,268,553	43,648	31	123	14,669	19,139,040
Projected	5ep-20	19,312,201	19,312,201	43,648	30	93	11,091	19,150,131
Projected	Oct-20	19,355,849	19,355,849	43,648	31	62	7,394	19,157,525
Projected	Nov-20	19,399,497	19,399,497	43,648	30	32	3,816	19,161,341
Projected	Dec-20	19,443,145	19,443,145	43,648	31	1	119	19,161,461
_		19,181,257	19,181,257	523,775	366	-	242,091	19,080,458
2018 YE Surveil Bal.		17,844,457	17,844,457				13-Month Avg. Bal	19,181,257
Consistency Adjustment	_	1,336,801	1,336,801				Proration Adj.	(100,799)
Proration Adjustment			(100,799)				•	(= 2). 55
Total Adjustment			1,236,001					

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		Consistency and Pro-	,	Pro-Rata	Specific	Adjusted			
	Per Book	Rata Adjustment	Books Adjusted	Adjustment	Adjustment	Balance	Cap Ratio	Cost Rate	Weighted Cost
Common Equity	\$167,554	(\$57,187)	\$110,367	\$0	\$0	\$110,367	20.60%	10.85	% 2.23%
Long Term Debt	\$77,810	(\$26,557)	\$51,253	\$0	\$0	\$51,253	9.56%	4.04	
Short Term Debt	\$81,910	(\$27,956)	\$53,954	\$0	\$0	\$53,954	10.07%		
LTD Corporate	\$0	\$0	\$0	\$0	\$0	\$0	0.00%		
Cust Dep Active	\$15,095		\$15,095			\$15,095	2.82%	==	
Deferred Income Tax	\$193,518	\$111,700	\$305,218			\$305,218	56.96%		
Total	\$535,887		\$535,887	\$0	\$0	\$535,887	100%		2.99%

	To	otal Deferred Income	Deprec Related	Deprec Related		Future Days in	Prorated Deprec- Related ADFIT	Prorated Deprec- Related ADFIT
	Month	Tax Balance	ADFIT Balance	ADFIT Activity	Days to Prorate	Period	Activity	Balance
Projected	Dec-19	292,252	292,252					292,252
Projected	Jan-20	295,765	295,765	3,513	31	336	3,225	295,477
Projected	Feb-20	299,278	299,278	3,513	29	307	2,947	298,424
Projected	Mar-20	302,791	302,791	3,513	31	276	2,649	301,073
Projected	Apr-20	306,304	306,304	3,513	30	246	2,361	303,434
Projected	May-20	309,817	309,817	3,513	31	215	2,064	305,498
Projected	Jun-20	313,330	313,330	3,513	30	185	1,776	307,274
Projected	Jul-20	316,843	316,843	3,513	31	154	1,478	308,752
Projected	Aug-20	320,356	320,356	3,513	31	123	1,181	309,933
Projected	Sep-20	323,869	323,869	3,513	30	93	893	310,825
Projected	Oct-20	327,382	327,382	3,513	31	62	595	311,420
Projected	Nov-20	330,895	330,895	3,513	30	32	307	311,727
Projected	Dec-20	334,408	334,408	3,513	31		10	311,737
_		313,330	313,330	42,156	366		19,485	305,218
2018 YE Surveil Bal.		193,518	193,518			:	13-Month Avg. Bal	313,330
Consistency Adjustment		119,813	119,813	•			Proration Adj.	(8,113
Proration Adjustment			(8,113)					(-/
Total Adjustment			111,700	•				

Florida Public Utilities Company

Gas Reliability Infrastructure Program (GRIP)
Calculation of Equity and Debt Returns

Schedule A-1
Exhibit___
Derrick M. Craig (DMC - 1)
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Earnings Surveillance Report - December 31, 2018

Salvemano Report Becombol 51, 2010	
Equity Cost Rate	10.85%
Weighted Equity Cost Rate	4.28%
Revenue Expansion Factor	1.350
Weighted Equity Cost Rate, times Revenue Expansion Factor	5.770%
Long Term Debt-CU	0.69%
Short Term Debt	0,58%
Long Term Debt-FC	0.28%
Short Term Debt-Refinanced LTD	0.00%
Customer Deposits	0.08%
Weighted Debt Cost Rate	1.63%
Overall Weighted Cost Rate	5.90%

Florida Public Utilities Company

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
January 1, 2018 through December 31, 2018

Schedule B-1
Exhibit_____
Derrick M. Craig (DMC - 1)
Page 2 of 15

Item Qualified Investment	Beginning Balance	Actual <u>Jan</u>	Actual Feb	Actual <u>Mar</u>	Actual <u>Apr</u>	Actual <u>May</u>	Actual Jun	Acınal <u>Jul</u>	Actual Aug	Actual Sep	Actual <u>Oct</u>	Actual <u>Nov</u>	Actual <u>Dec</u>	Year End Total/Balance
Qualified Investment - Mains - Current Year 1070 Activity Qualified Investment - Mains - Closed 1070 Activity to Plant Qualified Investment - Services - Current Year 1070 Activity		\$326,853 \$39,526	\$531,442 (\$712,143) \$35,740	\$1,330,778 (\$1,031,358) \$224,492	\$409,002 (\$432,533) \$43,381	\$527,490 (\$205,277) \$237,879	\$171,753 (\$1,064,690) \$154,820	\$177,133 (\$222,909) \$143,303	\$530,858 (\$370,738) \$476,868	\$360,527 (\$192,800) \$125,588	\$475.071 (\$374,054) \$166,245	\$479,863 (\$708,525) \$251,764	\$234,665 (\$520,463) \$107,698	\$5,555,435 (\$5,835,490) \$2,007,304
Qualified Investment - Services - Closed 1070 Activity to Plant Qualified Investment - Mains - Current 1010 Activity		\$0	(\$58,894) \$712,143	(\$203,768) \$1,031,358	(\$47,093) \$432,533	(\$109,600) \$205,277	(\$169,678) \$1,064,690	(\$225,049) \$222,909	(\$457,080) \$370,738	(\$110,230) \$192,800	(\$228,140) \$374,054	(\$186,155) \$708,525	(\$216.938) \$520,463	(\$2,012,626) \$5,835,490
Qualified Investment - Services - Current 1010 Activity		\$0	\$58,894	\$203,768	\$47,093	\$109,600	\$169,678	\$225,049	\$457,080	\$110,230	\$228,140	\$186,155	\$216,938	\$2,012,626
Total Qualified Investment - Mains 1070	\$407,194	\$734,047	\$553,346	\$852,766	\$829,235	\$1,151,447	\$258,511	\$212,735	\$372,855	\$540,582	\$641,599	\$412,937	\$127,139	\$127,139
Total Qualified Investment - Service 1070 Total Qualified Investment - Mains 1010	\$5,322	\$44,848	\$21,695	\$42,419	\$38,706	\$166,986	\$152,127	\$70,381	\$90,170	\$105,527	\$43,632	\$109,241	\$1	\$1
Total Qualified Investment - Service 1010	\$66,062,978 \$20,860,048	\$66,062,978 \$20,860,048	\$66.775,121 \$20.918.942	\$67,806,479 \$21,122,710	\$68,239,012 \$21,169,803	\$68,444,289 \$21,279,403	\$69.508.979 \$21,449.081	\$69,731,888 \$21,674,130	\$70,102,626	\$70,295,426	\$70,669,480	\$71,378,005	\$71,898,468	\$71,898,468
Total Qualified Investment	\$87,335,542	\$87,701,921	\$88,269,103	\$89.824,373	\$90,276,756	\$91.042,125	\$91,368,698	\$91.689,135	\$22,131,210 \$92,696,860	\$22,241,440	\$22,469,580 \$93,824,291	\$22,655,735 \$94,555,918	\$22,872,673 \$94,898,281	\$22,872,673 \$94,898,281
		401,101,021	\$60,207,105	307.024,373	370,270,750	371.042,123	371,308,098	\$71.087,133	392,090,800	393,102,973	393.824,291	394,333,918	394,898,281	394,898.281
Less: Accumulated Depreciation	(\$5,626,904)	(\$5,816,976)	(\$6,007,047)	(\$6,198,794)	(\$6,393,234)	(\$6,588,718)	(\$6,784,892)	(\$6,983,756)	(\$7,183,608)	(\$7,385,292)	(\$7.587.642)	(\$7,791,316)	(\$7,996,944)	(\$7,996,944)
Net Book Value	\$81,708,638	\$81,884,945	\$82,262,056	\$83,625,579	\$83,883,521	\$84,453,407	\$84,583,805	\$84,705,379	\$85,513,252	\$85,797,683	\$86,236,649	\$86,764,602	\$86,901,337	\$86,901,337
A	-								*					
Average Net Qualified Investment		\$81,796,791	\$82,073,501	\$82,943,817	\$83,754,550	\$84,168,464	\$84,518,606	\$84,644,592	\$85,109,316	\$85,655,468	\$86,017,166	\$86,500,625	\$86,832,970	
Depreciation Rates														
Approved Depreciation Rate-Mains		2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	
Approved Depreciation Rate-Services		2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		7,7600%	6.3900%	6.3900%	6.3900%	6.3900%	6.3900%	6.3900%	6.3900%	6,3900%	6.3900%	6.3900%	6,3900%	
Debt - Cost of Capital		1.4400%	1,4400%	1.4400%	1.4400%	1.4400%	1.4400%	1.4400%	1.4400%	1.4400%	1.4400%	1.4400%	1.4400%	
Equity Component - inclusive of Income Tax Gross-up Debt Component		\$528,953	\$437,041	\$441,676	\$445,993	\$448,197	\$450,062	\$450,732	\$453,207	\$456,115	\$458,041	\$460,616	\$462,386	\$5,493,019
Return Requirement	-	\$98,156 \$627,109	\$98,488 \$535,530	\$99,533 \$541,208	\$100,505 \$546,498	\$101,002 \$549,199	\$101,422 \$551,484	\$101,574 \$552,306	\$102,131 \$555,338	\$102,787 \$558,902	\$103,221	\$103,801	\$104,200	\$1,216.819
recent coductions		3027,103	3000,000	\$341,206	3340,498	\$349,199	\$331,464	3532,306	\$333,338	\$558,902	\$561,262	\$564,417	\$566,585	\$6,709,838
Investment Expenses														
Depreciation Expense - Mains		\$143,136	\$143,136	\$144,679	\$146,914	\$147,851	\$148,296	\$150,603	\$151,086	\$151,889	\$152,307	\$153,117	\$154,652	\$1,787,667
Depreciation Expense - Services		\$46,935	\$46,935	\$47.068	\$47,526	\$47,632	\$47,879	\$48,260	\$48,767	\$49,795	\$50,043	\$50,557	\$50,975	\$582,372
Property Taxes General Public Notice Expense & Customer Notice Expense		\$136,181	\$136,181	\$136,181	\$136,181	\$136,181	\$136,181	\$136,181	\$136,181	\$136,181	\$136,181	\$136,181	\$136.181	\$1,634,173
Total Expense	-	\$0 \$326.253	\$326,253	\$1,971 \$329,899	\$943 \$331,564	\$2,190 \$333,854	\$0 \$332,356	\$708 \$335,752	\$0	\$2,169	\$0	\$0	\$0	\$7.980
10 2 2000		3320,233	3320,233	\$327,677	400,166	\$333,634	\$332.330	\$333,732	\$336,034	\$340,034	\$338,531	\$339,855	\$341,809	\$4.012,192
Total Revenue Requirements		\$953,361	\$861,782	\$871,108	\$878,062	\$883,053	\$883,840	\$888,058	\$891,372	\$898,936	\$899,793	\$904,271	\$908,394	\$10,722,030
Annual Revenue Requirement for Bare Steel Replacement Investment Tax Reform-Adjustment for 2/1-2/6/2018		\$62,310	\$62,310 20,079	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62.310	\$62,310	\$62,317	\$747,727 \$20,079
Net Annual Revenue Requirements	<u>-</u>	\$891,051	\$819,551	\$808,798	\$815,752	\$820,743	\$821,530	\$825,748	\$829,062	\$836,626	\$837,483	\$841,961	\$846,077	\$9,994,382
	-													
GRIP Surcharge Revenues Collected Month	-	\$ 1,237,987	\$ 1,024,324	\$ 964,815	\$ 959,446	\$ 807,569	\$ 772,269	\$ 678,842	\$ 675,362	\$ 690,386	\$ 662,430	\$ 825,036	\$ 1.027,802	\$10,326,269
Beginning True-Up														# (0.001.04A)
(Over) and Under Recovery for the Month		\$ (346,936)	\$ (204.773)	\$ (156,017)	\$ (143,694)	S 13,174	\$ 49,260	\$ 146,906	\$ 153,700	\$ 146,240	\$ 175,053	\$ 16.025	\$ (181,725)	\$ (2,231,264)
Monthly Interest (Expense)/Income		\$ (3,006)	\$ (3,542)	\$ (4,215)	S (4,744)	\$ (4,854)	\$ (4.935)	\$ (4.904)	\$ (4.692)	\$ (4,639)	\$ (4.596)	\$ (4.576)	\$ (5.017)	\$ (53.720)
Ending (Over) and Under Recovery	\$ (2,231,264)	\$ (2,581,205)	\$ (2.789,520)	\$ (2,949,753)	\$ (3,098,191)	\$ (3,089,871)	\$ (3.045,546)	\$ (2,903,543)	\$ (2,754,535)	\$ (2,612,935)	\$ (2,442,477)	\$ (2,430,128)	\$ (2,616,870)	\$ (2,616,870)
B. CM d														
Beg of Month Annual Interest Rate End of Month Annual Interest Rate		1.49%	1.50%	1.66%	1.86%	1.90%	1.86%	2,00%	1.97%	2.02%	2.13%	2.24%	2,27%	
Average Monthly Interest Rate		1.50% 0.125%	1.66% 0.132%	1,86% 0,147%	1.90% 0.157%	1.86% 0.157%	2.00% 0.161%	1.97%	2.02%	2.13%	2.24%	2.27%	2,50%	
· · · · · · · · · · · · · · · · · · ·		U. 12376	0.15276	0.14776	0.13/70	0.137%	0.101%	0.165%	0.166%	0,173%	0.182%	0.188%	0.199%	

Florida Public Utilities Company Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements January 1, 2019 through December 31, 2019

Schedule C-1 Exhibit_____ Derrick M. Craig (DMC - 1) Page 3 of 15

Item Oualified Investment	Beginning Balance	Actual <u>Jan</u>	Actual <u>Feb</u>	Actual Mar	Actual <u>Apr</u>	Actual <u>May</u>	Actual <u>Jun</u>	Actual <u>Jul</u>	Forecast <u>Aug</u>	Forecast Scp	Forecast Oct	Forecasi Nov	Forecasi Doc	Year End Total/Balance
Qualified Investment - Mains - Current Year 1070 Activity Qualified Investment - Mains - Closed 1070 Activity to Plant		\$190,735 \$0	\$521,052 (\$63,893)	\$364,809 (\$676,052)	\$436,204 (\$302,366)	\$328,314 \$21,368	\$1,200,781 (\$199,841)	\$887,101 (\$43,355)	\$794,201 (\$794,201)	\$794,201 (\$794,201)	\$794,201 (\$794,201)	\$794,201 (\$794,201)	\$794,201 (\$794,201)	\$7,900,000 (\$5,235,143)
Qualified Investment - Services - Current Year 1070 Activity		\$145,710	\$205.652	\$205,094	\$107,854	\$145,124	\$256,208	\$516,898	\$123,492	\$123,492	\$123,492	\$123,492	\$123,492	\$2,200,000
Qualified Investment - Services - Closed 1070 Activity to Plant		\$0	(\$155,346)	(\$40,644)	(\$417,089)	(\$70.523)	(\$264,843)	(\$146,160)	(\$123,492)	(\$123,492)	(\$123,492)	(\$123,492)	(\$123,492)	(\$1,712,064)
Qualified Investment - Mains - Current 1010 Activity Qualified Investment - Services - Current 1010 Activity		\$0 \$0	\$63,893	\$676,052	\$302,366	(\$21,368)	\$199,841	\$ 43,355	\$794,201	\$794,201	\$794,201	\$794,201	\$794,201	\$5,235,143
Quantica investment - services - Current Toto Activity		30	\$155,346	\$40,644	\$417,089	\$70,523	\$264,843	\$146,160	\$123,492	\$123,492	\$123,492	\$123,492	\$123,492	\$1,712,064
Total Qualified Investment - Mains 1070	\$127,139	\$317,874	\$775,033	\$463,790	\$597,628	\$947,309	\$1,948,250	\$2,791,996	\$2,791,996	\$2,791,996	\$2,791,996	\$2,791,996	\$2,791,996	\$2,791,996
Total Qualified Investment - Service 1070	\$1	\$145,711	\$196,017	\$360,468	\$51,233	\$125,833	\$117,199	\$487,936	\$487,936	\$487,936	\$487,936	\$487,936	\$487,936	\$487,936
Total Qualified Investment - Mains 1010	\$71,898,468	\$71,898,468	\$71,962,361	\$72,638,413	\$72 ,940,779	\$72,919,412	\$73,119,252	\$73,162,608	\$73,956,808	\$74,751,009	\$75,545,210	\$76,339,410	\$77,133,611	\$77,133,611
Total Qualified Investment - Service 1010	\$22,872,673	\$22,872,673	\$23,028,019	\$23,068,663	\$23,485,752	\$23,556,275	\$23,821,118	\$23,967,279	\$24,090,770	\$24,214,262	\$24,337,754	\$24,461,246	\$24,584,738	\$24,584,738
Total Qualified Investment	\$94,898,281	\$95,234,726	\$95,961,430	\$96,531,334	\$97,075,392	\$97,548.830	\$99,005,820	\$100,409,818	\$101,327,511	\$102,245,203	\$103,162,896	\$104,080,588	\$104,998,281	\$104,998,281
Less: Accumulated Depreciation	(\$7,996,944)	(\$8,204,187)	(\$8,411,431)	(\$8,619,162)	(\$8,828,450)	(60 020 221)	(00.050.005)	(20						
Net Book Value	\$86,901,337	\$87,030,538	\$87.549.999	\$87.912.171	\$88,246,942	(\$9,039,331) \$88,509,499	(\$9,250,325) \$89,755,494	\$9,462,348) \$90,947,470	(\$9,674,793) \$91,652,718	(\$9,889,237) \$92,355,966	(\$10,105,680) \$93,057,216	(\$10,324,121) \$93,756,467	\$94,453,720	(\$10,544,561)
	\$40,507 <u>1,557</u>	307,030,030	\$67,547,777	\$67,712,171	\$56,240,542	366,302,433	309,733,494	\$90.947,470	391,032,718	392,333,966	\$93,037,216	\$93,736,467	394.453,720	\$94,453.720
Average Net Qualified Investment	•	\$86,965,938	\$87,290,269	\$87,731,085	\$88,079,557	\$88,378,220	\$89,132,497	\$90,351,482	\$91,300,094	\$92,004,342	\$92,706,591	\$93.406,842	\$94,105,094	
	•				·				,	4, 4, 4, 4, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		555,100,012	W 7,100,007	
Depreciation Rates														
Approved Depreciation Rate-Mains		2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2,60%	2.60%	2.60%	2.60%	
Approved Depreciation Rate-Services		2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2,70%	2.70%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		5.8500%	5.8500%	5.8500%	5,8500%	5.8500%	5.8500%	5.8500%	5.8500%	5.8500%	5.8500%	2.020004	* *******	
Debt - Cost of Capital		1.6500%	1.6500%	1.6500%	1.6500%	1.6500%	1.6500%	1.6500%	1.6500%	1.6500%	1.6500%	5,8500% 1,6500%	5.8500% 1.6500%	
						1100007,0	1.055570	1.050070	1.050078	1.030076	1.030076	1.030078	1,030076	
Equity Component - inclusive of Income Tax Gross-up		\$423,959	\$425,540	\$427,689	\$429,388	\$430,844	\$434,521	\$440,463	\$445,088	\$448,521	\$451,945	\$455,358	\$458,762	\$5,272,079
Debt Component		\$119,578	\$120,024	\$120,630	\$121,109	\$121,520	\$122.557	\$124,233	\$125,538	\$126,506	\$127.472	\$128,434	\$129,395	\$1,486,997
Return Requirement		\$543,537	\$ 545,564	\$548,319	\$550,497	\$552,364	\$557.078	\$564,697	\$570,626	\$575,027	\$579.416	\$ 583,793	\$588,157	\$6,759,075
Investment Expenses														· · · · · · · · · · · · · · · · · · ·
Depreciation Expense - Mains		\$155,780	\$155.780	\$155,918	\$157,383	\$158,038	6159.000	#140.494		****				
Depreciation Expense - Services		\$51.464	\$51,464	\$51,813	\$51,904	\$52,843	\$157,992 \$53,002	\$158,425 \$53,598	\$158,519 \$53,926	\$160,240 \$54,204	\$161,961 \$54,482	\$163,68!	\$165,402	\$1,909,120
Property Taxes		\$144,836	\$144.836	\$144,836	\$144,836	\$144,836	\$144,836	\$144,836	\$33,926 \$144,836	\$34,204 \$144,836	\$54,482 \$144,836	\$54,760 \$144,836	\$55,038 \$144,836	\$638,497 \$1,738,027
General Public Notice Expense & Customer Notice Expense		\$343	\$5,837	\$0	\$1,544	\$0	\$0	\$0.50	\$4.333	\$4,333	\$4,333	\$4,333	\$4,333	\$29,390
Total Expense		\$352,422	\$357,916	\$352,567	\$355,667	\$355,717	\$355,829	\$356,858	\$361,614	\$363,613	\$365,612	\$367,610	\$369,609	\$4,315,033
	•													
Total Revenue Requirements		\$895,959	\$ 903,480	\$900,886	\$906,165	\$908_081	\$912.907	\$921,555	\$932,240	\$ 93 <u>8</u> ,640	\$945,028	\$951,403	\$957,766	\$11,074,108
Association and the second for the s		*****												
Annual Revenue Requirement for Bare Steel Replacement Investment Net Annual Revenue Requirements		\$62,310 \$833,649	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,317	\$747,727
Net Adda Revenue Requirements	•	\$833,049	\$841,170	\$838,576	\$843,855	\$845,771	\$850,597	\$859,245	\$869,930	\$876,330	\$882,718	\$889,093	\$895,449	\$10,326,381
GRIP Surcharge Revenues Collected Month	-	\$ 1,035,933	\$ 1,030,245	\$ 824,210	\$ 813,776	739,994 \$	651,609	570,551	602,044	S 613.707	\$ 637,425	\$ 746.531	\$ 900,086	\$9,166,112
Beginning True-Up														\$ (2.616.970)
(Over) and Under Recovery for the Month		(\$202,284)	(\$189,076)	\$14,367	\$30,078	\$105,777	\$198,988	\$288,694	\$267.886	\$262.623	\$245,292	\$142,562		\$ (2.616,870) \$ 1.160,270
Monthly Interest (Expense)/Income		\$ (5,572)												\$ (56,582)
Ending (Over) and Under Recovery	\$ (2,616,870)	\$ (2.824,727)	\$ (3,019,699)	\$ (3,011,418)	\$ (2,987,393)	(2,887,544) \$	(2.694,020)	(2,410,094)	(2,146,396)			S (1,505,770)		\$ (1,513,182)
											 			,,
Beg of Month Annual Interest Rate		2.50%	2.42%	2.42%	2.43%	2.42%	2.42%	2.28%	2.21%	2.21%	2.21%	2.21%	2.21%	
End of Month Annual Interest Rate Average Monthly Interest Rate		2.42%	2.42%	2.43%	2.42%	2.42%	2.28%	2.21%	2.21%	2.21%	2.21%	2.21%	2.21%	
Average monany interest rate		0.205%	0.202%	0.202%	0.202%	0.202%	0.196%	0.187%	0.184%	0.184%	0.184%	0.184%	0.184%	

Florida Public Utilities Company Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements January 1, 2020 through December 31, 2020

Schedule C-2
Exhibit______
Derrick M. Craig (DMC - 1)
Page 4 of 15

Item Qualified Investment	Beginning Balance	Forecasi <u>Jan</u>	Forecast <u>Feb</u>	Forecast Mar	Forecasi Apr	Forecast May	Forecast Jun	Forecast Jul	Forecast Aug	Forecasi Scp	Forecast Oct	Forecast Nov	Forecasi Dec	Year End Total/Balance
Qualified Investment - Mains - Current Year 1070 Activity		\$683,333	\$683,333	\$683,333	\$683,333	\$683,333	\$683,333	\$683,333	\$683,333	\$683,333	\$683,333	\$683,333	\$683,333	\$8,200,000
Qualified Investment - Mains - Closed 1070 Activity to Plant		(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$833,333)	(\$10,000,000)
Qualified Investment - Services - Current Year 1070 Activity		\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$1.800.000
Qualified Investment - Services - Closed 1070 Activity to Plant		(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$185,000)	(\$2,220,000)
Qualified Investment - Mains - Current 1010 Activity		\$833,333	\$833,333	\$833,333	\$833,333	\$833,333	\$833,333	\$833,333	\$833.333	\$833,333	\$833,333	\$833,333	\$833,333	\$10,000,000
Qualified Investment - Services - Current 1010 Activity		\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$185,000	\$2,220,000
										,	*********	0100 ,000	\$105,000	\$2,220,000
T . 10 15 11														
Total Qualified Investment - Mains 1070 Total Qualified Investment - Service 1070	\$2,791.996	\$2,641,996	\$2,491,996	\$2,341.996	\$2,191,996	\$2,041,996	\$1,891,996	\$1,741,996	\$1,591,996	\$1,441,996	\$1,291,996	\$1,141,996	\$991.996	\$991,996
	\$487,936	\$452,936	\$417,936	\$382,936	\$347,936	\$312,936	\$277,936	\$242,936	\$207,936	\$172,936	\$137.936	\$102,936	\$ 67,936	\$67,936
Total Qualified Investment - Mains 1010 Total Qualified Investment - Service 1010	\$77,133,611	\$77,966,944	\$78,800,277	\$79,633,611	\$80,466,944	\$81,300,277	\$82,133,611	\$82,966,944	\$83,800,277	\$84,633,611	\$85,466,944	\$86,300,277	\$87,133,611	\$87,133,611
Total Qualified Investment Total Qualified Investment	\$24,584,738	\$24,769,738	\$24,954,738	\$25,139,738	\$25,324,738	\$25,509,738	\$25,694,738	\$25,879,738	\$26,064,738	\$26,249,738	\$26,434,738	\$26,619,738	\$26,804,738	\$26,804,738
rotal Qualified investment	\$104,998,281	\$105,831.614	\$106,664,947	\$107,498,281	\$108,331,614	\$109,164,947	\$109,998,281	\$110,831,614	\$111,664,947	\$112,498,281	\$113,331,614	\$114,164,947	\$114,998,281	\$114,998,281
Less: Accumulated Depreciation	(\$10,544,561)	(\$10,766,999)	(\$10.991.659)	(\$11.218,542)	(611 447 (44)	(611 (70 071)	(0.11.010.510)							
Net Book Value	\$94,453,720	\$95,064,615	\$95,673,288	\$96,279,739	(\$11,447,645) \$96,883,969	(\$11,678,971) \$97,485,976	(\$11,912,519)	(\$12.148,288)	(\$12.386,279)	(\$12,626,492)	(\$12,868,927)	(\$13,113,583)	(\$13,360,462)	(\$13,360,462)
THE BOOK THIS	374,433,720	\$73,004,013	393,073,200	390,279,739	396,883,969	397,485,976	\$98,085,762	\$98,683,326	\$99,278,668	\$99,871,789	\$100,462,687	\$101.051,364	\$101,637,819	\$101,637,819
Average Net Qualified Investment	=	\$94,759,167	\$95,368,951	\$95,976,513	604 601 054	207 101 070								
And age that Quantities investment		394,/39.10/	100,800,000	\$95,976,513	\$96,581,854	\$97,184,972	\$97,785,869	\$98.384,544	\$98,980,997	\$99,575,228	\$100,167,238	\$100,757,026	\$101,344,592	
Depreciation Rates														
Approved Depreciation Rate-Mains		2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2 (00)	2 (00)			
Approved Depreciation Rate-Services		2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.60% 2.70%	2.60%	2,60%	2.60%	
.,		2	2.1070	2.7074	2.7070	2.7076	2.7074	2.7076	2.7070	2.70%	2.70%	2.70%	2.70%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		5.7700%	5.7700%	5.7700%	5.7700%	5.7700%	5,7700%	5,7700%	5.7700%	5,7700%	5,7700%	5,7700%	5,7700%	
Debt - Cost of Capital		1.6277%	1.6277%	1.6277%	1.6277%	1.6277%	1.6277%	1.6277%	1.6277%	1.6277%	1,6277%	1.6277%	1.6277%	
									,-		1,027770	1.027770	1.027776	
Equity Component - inclusive of Income Tax Gross-up		\$455,634	\$458,566	\$461,487	\$464,398	\$467,298	\$470,187	\$473,066	\$475,934	\$478,791	\$481,637	\$484,473	\$487,299	\$5,658,769
Debt Component		\$128,535	\$129,362	\$130,186	\$131,007	\$131,825	\$132,641	\$133,453	\$134,262	\$135,068	\$135,871	\$136,671	\$137,468	\$1,596,348
Return Requirement		\$584,169	\$587,928	\$591,673	\$595,405	\$599,123	\$602,828	\$606,518	\$610,195	\$613,859	\$617,508	\$621,144	\$624,766	\$7,255,117
Investment Expenses														
Depreciation Expense - Mains		\$167.123	\$168,928	\$170,734	\$172,539	\$174,345	\$176.151	\$177,956	\$179,762	\$181,567	\$183,373	\$185,178	\$186,984	\$2,124,641
Depreciation Expense - Services Property Taxes		\$55,316	\$55,732	\$56,148	\$56,564	\$56,981	\$57,397	\$ 57,813	\$58,229	\$58,646	\$59,062	\$59,478	\$59,894	\$691,260
General Public Notice Expense & Customer Notice Expense		\$157,423	\$157,423	\$157,423	\$157,423	\$157,423	\$157,423	\$157.423	\$157,423	\$157,423	\$157,423	\$157.423	\$157,423	\$1,889,074
Total Expense	-	\$4,333	\$4,333	\$4,333	\$4,333	\$4,333	\$4,333	\$4,333	\$4,333	\$4,333	\$4,333	\$4,333	\$4,333	\$52,000
Total Expense		\$384,195	\$386,416	\$388,638	\$390,860	\$393,082	\$395,304	\$397,526	\$399,747	\$401,969	\$404,191	\$406,413	\$408,635	\$4,756,975
Total Revenue Requirements		\$968.363	2074 244	6000 313	****									
Total re- state reduitements		2000 500	\$974,344	\$980,312	\$986,265	\$992,205	181,8998	\$1,004,044	\$1,009,943	\$1.015.828	\$1,021,699	\$1,027,557	\$1,033,401	\$12,012,092
Annual Revenue Requirement for Bare Steel Replacement Investment		\$62,310	\$62.310	5(2.210	6/2 210	#ca a -								
Net Annual Revenue Requirements		\$906.053	\$912,034	\$62,310 \$918.002	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,310	\$62,317	\$747.727
·····	=	3700,033	\$712,034	3718,002	\$923.955	\$929,895	\$935,821	\$941.734	\$947,633	\$953.518	\$959,389	\$965,247	\$971,084	\$11.264,365
	-	3700.033	3712,034	\$218,002	3723.933	3929.893	3933,821	3941./34	\$947,633	\$953.518	\$959,389	\$965,247	\$971,084	\$11.264.365

Florida Public Utilities Company

Gas Reliability Infrastructure Program (GRIP)
Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - January 1, 2020 through December 31, 2020
Per Therm Rate

Schedule D-1
Exhibit_____
Derrick M. Craig (DMC - 1)
Page 5 of 15

1. 1/1/20-12/31/20 Qualified Mains & Services Replacement Revenue Requirements \$11,264,365 Mains \$8,335,630 Services 26% \$2,928,735 Net \$10,666,754 2. TRUE-UP from Prior Period (Over)/Under Recovery Estimated thru 12/2019 \$ (1,513,182) 3. 2020 Qualified Mains & Services Replacement Revenue Requirements \$ 9,751,183 Mains \$7,215,875 Services 26% \$2,535,307 Net \$9,751,183

RATE SCHEDULE	2020 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL _COST	AVERAGE MONTHLY COST
RESIDENTIAL	13,916,212	58.00%	22.00%	\$1,470,478	\$1,587,493	\$3,057,971	\$0.21974	1.00503	\$0.22085	250	\$55.21	\$4.60
COMMERCIAL SMALL (General Service & GS Transportation & NGVS &NGVTS)	14,961,638	17.00%	23.00%	\$431,002	\$1,659,651	\$2,090,654	\$0.13973	1.00503	\$0.14044	2,500	\$351.09	\$29.26
COMM. LRG VOLUME (Large Vol & LV Transportation)	43,304,805	25.00%	46.00%	\$633,827	\$3,319,303	\$3,953,129	\$0.09129	1.00503	\$0.09175	25,000	\$2,293.63	\$191.14
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	9,996,142	0.00%	8.00%	\$0	\$577,270	\$577,270	\$0.05775	1.00503	\$0.05804	50,000	\$2,901.99	\$241.83
GENERAL LIGHTING SERVICE (Gen Light Service & GLS Transportation)	148,651	0.00%	1.00%	\$0	\$72,159	\$72,159	\$0.48542	1.00503	\$0.48786	500	\$243.93	\$20.33

TOTAL 82,327,449 100.00% 100.00% \$2,535,307 \$7,215,875 \$9,751,183

Florida Division of Chesapeake Utilities Corporation
Gas Reliability Infrastructure Program (GRIP)
Calculation of Equity and Debt Returns

Schedule A-1 Exhibit_ Derrick M. Craig (DMC - 1)
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Earnings Surveillance Report - December 31, 2018

surveinance resport - December 51, 2010	
Equity Cost Rate	10.80%
Weighted Equity Cost Rate	4.35%
Revenue Expansion Factor	1.3488
Weighted Equity Cost Rate, times Revenue Expansion Factor	5.861%
Long Term Debt-CU	0.75%
Short Term Debt	0.58%
Short Term Debt-Refinanced LTD	0.00%
Customer Deposits	0.03%
Tax Credits-Weighted Cost	0.00%
Weighted Debt Cost Rate	1.36%
Overall Weighted Cost Rate	5.70%

Florida Division of Chesapeake Utilities Corporation

Gas Reliability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
January 1, 2018 through December 31, 2018

Schedule 8-1
Exhibit_____
Derrick M. Craig (DMC - 1)
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<u>Item</u>	Beginning Balance	Actual <u>Jan</u>	Actual <u>Feb</u>	Actual <u>Mar</u>	Actual Apr	Actual May	Actual <u>Jun</u>	Actual <u>Jul</u>	Actual Aug	Actual Sep	Actual <u>Oct</u>	Actual Nov	Actual Dec	Year End <u>Total</u>
Qualified Investment Oualified Investment - Mains - Current 1070 Activity		\$65,104	\$209,453	\$420.099	\$568.280	\$463.831	\$363,299	\$405,095	\$326,365	\$383,866	\$400,347	\$409,958	£1 110 561	86 124 244
Qualified Investment - Mains - Closed 1070 Activity to Plant		303.104	(\$135,245)	(\$455,006)	(\$99,739)	(\$1,059,421)	(\$413,604)	(\$291,003)	(\$451,712)	(\$223,047)	(\$393.582)	\$409,958 (\$376,171)	\$1,110,564 (\$379,203)	\$5,126.264 (\$4,277,734)
Qualified Investment - Services - Current 1070 Activity		\$13,361	\$37.667	\$47,894	\$35.292	\$65,555	\$55,655	\$20,630	\$61.857	\$73,798	\$87,536	\$60.322	\$42.019	\$601,586
Qualified Investment - Services - Closed 1070 Activity to Plant			(\$35,332)	(\$50.128)	(\$15.239)	(\$38,113)	(\$27,844)	(\$54,773)	(\$55,751)	(\$76.599)	(\$100,903)	(\$70,712)	(\$76,192)	(\$601,586)
Qualified Investment - Mains - Current 1010 Activity Qualified Investment - Services - Current 1010 Activity		20 20	\$135,245 \$35,332	\$455,006 \$50,128	\$99,739 \$15,239	\$1,059,421 \$38,113	\$413.604 \$27,844	\$291,003 \$54,773	\$451,712 \$55,751	\$223,047 \$76,599	\$393,582 \$100,903	\$376.171 \$70,712	\$379,203 \$76,192	\$4,277,734 \$601,586
(,		J	300,002	\$50,120	413,237	250.115	\$27,044	334,773	333,731	370,377	\$100,903	370,712	\$70,192	\$001,500
Total Qualified Investment - Mains 1070	\$320.043	\$385,147	\$459,356	\$424,449	\$892,990	\$297,401	\$247,096	\$361,188	\$235,841	\$396,660	\$403,425	\$437,211	\$1,168,573	\$1,168,573
Total Qualified Investment - Services 1070	\$4,001	\$17.363	\$19,697	\$17,463	\$37,516	\$64,958	\$92,770	\$58.626	\$64,732	\$61,931	\$48,564	\$38,174	\$4,001	\$4,001
Total Qualified Investment - Mains 1010	\$23,922,233	\$23,922,233	\$24,057,478	\$24,512,484	\$24,612,223	\$25,671,644	\$26,085,248	\$26,376,251	\$26.827.963	\$27,051,010	\$27,444.592	\$27.820,764	\$28,199,967	\$28,199,967
Total Qualified Investment - Services 1010	\$2,127,336	\$2,127,336	\$2,162,668	\$2,212,796	\$2,228,035	\$2,266.148	\$2,293,992	\$2,348,765	\$2,404.516	\$2,481,115	\$2,582,018	\$2,652,730	\$2,728,922	\$2,728,922
Total Qualified Investment	\$26.373,613	\$26,452,078	\$26,699,199	\$27.167,192	\$27,770,764	\$28,300,151	\$28.719,105	\$29,144.830	\$29,533,052	\$29,990,716	\$30,478,599	\$30,948,879	\$32,101,463	\$32,101,463
Less: Accumulated Depreciation	(\$1,600,187)	(\$1,656,806)	(\$1,713,425)	(\$1,770,416)	(\$1.828,505)	(\$1.886.844)	(\$1.947.565)	(\$2,009,244)	(\$2,071,678)	(\$2,135,215)	(\$2,199,409)	(\$2,264,682)	(\$2,330,929)	(\$2,330,929)
Net Book Value	\$24,773,426	\$24,795.272	\$24,985,774	\$25.396,776	\$25,942,259	\$26,413,307	\$26,771,540	\$27,135,586	\$27,461,374	\$27.855.501	\$28,279,190	\$28,684,197	\$29,770,534	\$29,770,534
Average Net Qualified Investment		\$24,784,349	\$24.890,523	\$25,191,275	\$25.669.518	\$26,177,783	\$26,592,423	\$26,953,563	\$27,298,480	\$27,658,438	\$28,067,346	\$28.481.694	\$29.227.365	
Demonistica Bates	-								*					
Depreciation Rates Approved Depreciation Rate-Mains		2,60%	2,60%	2.60%	2,60%	2.60%	2.60%	2.60%	2.60%	2.60%	2,60%	2 (0)(
Approved Depreciation Rate-Services		2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2,70%	2.70%	2.60% 2.70%	2.60% 2.70%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.6740%	6.2380%	6.2380%	6.2380%	6.2380%	6,2380%	6.2380%	6.2380%	6.2380%	6.2380%	6.2380%	6.2380%	
Debt - Cost of Capital		1.1400%	1.1400%	1.1400%	1.1400%	1.1400%	1.1400%	1.1400%	1.1400%	1.1400%	1.1400%	1,1400%	1.1400%	
Equity Component - inclusive of Income Tax Gross-up		\$158,496	\$129,389	\$130,953	\$133,439	\$136,081	\$138,236	\$140,114	\$141,907	\$143,778	\$145.903	\$148,057	\$151,934	\$1,698,286
Debt Component	-	\$23,545	\$23,646	\$23,932	\$24,386	\$24.869	\$25,263	\$25,606	\$25,934	\$26,276	\$26,664	\$27.058	\$27,766	\$304,943
Return Requirement	-	\$182,041	\$153,035	\$154,884	\$157,825	\$160,950	\$163,499	\$165,719	\$167,840	\$170,053	\$172,567	\$175,115	\$179,700	\$2,003,229
Investment Expenses														
Depreciation Expense - Mains		\$51,832	\$51,832	\$52,125	\$53,110	\$53,3 2 6	\$55.622	\$56,518	\$57,149	\$58,127	\$58,611	\$59,463	\$60,278	\$667.993
Depreciation Expense - Services Property Taxes		\$4,787 \$41,289	\$4,787 \$41,289	\$4,866	\$4,979	\$5,013	\$5,099	\$5,161	\$5,285	\$5,410	\$5,583	\$5.810	\$5,969	\$62,749
General Public Notice Expense and Customer Notice Expense		\$41,289 \$2,205	\$41,289 \$1.319	\$41,289 \$2,148	\$41.289 \$0	\$41.289 \$0	\$41,289 \$0	\$41,289 \$1,729	\$41,289 \$2,006	\$41,289 \$0	\$41,289 \$1,621	\$41,289 \$0	\$41.289 \$0	\$495,468
Total Expense	•	\$100,113	\$99,227	\$100,428	\$99,378	\$99,628	\$102,010	\$104,697	\$105,729	\$104,826	\$107,104	\$106.562	\$107,536	\$11,029
To Defend A Control of the Control o	•													\$1,000,000
Tax Reform-Adjustment for 2/1-2/6/2018 Total Revenue Requirements		\$282,154	\$ 6,383 \$258,645	\$255,313	\$257.203	\$260,578	\$265,509	\$270,417	\$273,569	\$274,879	\$279,671	\$281.677	\$287,236	\$6,383 \$3,246,851
00/00														
GRIP Surcharge Revenues Collected Month	-	\$ 359,901	\$ 291,756	303,021	\$ 308,816	\$ 280,471	\$ 275,325	\$ 269,065 \$	287,192	\$ 29 <u>4.238</u>	\$ 290,903	\$ 311,332 \$	329,985	\$3,602,006
Beginning True-Up														\$ 164,174
(Over) and Under Recovery for the Month		\$ (77.747)	, .										(42,750)	(\$355.155)
Monthly Interest (Expense)/Income Ending (Over) and Under Recovery	\$ 164,174	\$ 157 \$ 86,584			\$ (31)		\$ (114)						(339)	(\$1.164)
Andring (Over) and Order Recovery	3 104,1/4	a 80,384	a 53,565 .	5,901	\$ (45,744)	\$ (65,724)	S (75,654)	\$ (74,427) \$	(88,184)	\$ (107,712)	\$ (119,150)	\$ (149,057) \$	(192,146)	S (192,146)
Beg of Month Annual Interest Rate		1.49%	1.50%	1.66%	1.86%	1.90%	1.86%	2.00%	1.97%	2.02%	2.13%	2.24%	2.27%	
End of Month Annual Interest Rate		1.50%	1.66%	1.86%	1.90%	1.86%	2.00%	1.97%	2.02%	2.13%	2.24%	2.27%	2.50%	
Average Monthly Interest Rate		0.13%	0.13%	0.15%	0.16%	0.16%	0.16%	0.17%	0.17%	0,17%	0.18%	0.19%	0.20%	

Florida Division of Chesapeake Utilities Corporation
Gas Rehability Infrastructure Program (GRIP)
Calculation of the Projected Revenue Requirements
January 1, 2019 through December 31, 2019

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ltem	Beginning Balance	Actual <u>Jan</u>	Actual Feb	Actual <u>Mar</u>	Actual Apr	Actual May	Actual <u>Jun</u>	Actual <u>Jul</u>	Forecast Aug	Forecast Sep	Forecast Oct	Forecast Nov	Forecasi Dec	Year End Total
Qualified Investment Ouglified Investment - Mains - Current 1070 Activity		\$781,584	£701 076	E066 131	\$529,285	2420 227	****							
Qualified Investment - Mains - Closed 1070 Activity to Plant		\$781.284	\$701,075 (\$71,025)	\$855,131 (\$80,098)	(\$3,062,558)	\$478,776 (\$1,040,982)	\$262,031 (\$404,847)	\$164,411 (\$112,002)	\$155,542 (\$155,542)	\$155,542 (\$155,542)	\$155,542	\$155,542	\$155,542	\$4,550,001
Qualified Investment - Services - Current 1070 Activity		\$54,520	\$40,883	\$27,581	\$57,927	\$17,283	\$24,212	\$12,491	\$23,020	\$23,020	(\$155,542) \$23,020	(\$155,542) \$23,020	(\$155,542) \$23,020	(\$5,549,219) \$350,000
Qualified Investment - Services - Closed 1070 Activity to Plant		\$ 0	(\$72,182)	(\$39,703)	(\$21,833)	(\$53,887)	(\$30,432)	(\$10,452)	(\$25,000)	(\$25,020)	(\$25,000)	(\$25,000)	(\$25,000)	(\$353,489)
Qualified Investment - Mains - Current 1010 Activity		\$0	\$71,025	\$80,098	\$3,062,558	\$1,040,982	\$404,847	\$112,002	\$155,542	\$155,542	\$155,542	\$155,542	\$155,542	\$5,549,219
Qualified Investment - Services - Current 1010 Activity		S 0	\$72,182	\$39,703	\$21,833	\$53,887	\$30,432	\$10,452	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$353,489
Total Qualified Investment - Mains 1070	\$1,168,573	\$1,950,157	\$2,580,207	\$3,355,240	\$821,967	\$259,761	\$116,946	\$169,355	\$169,355	\$169,355	\$169,355	\$169,355	\$169,355	\$169,355
Total Qualified Investment - Services 1070	\$4,001	\$58,522	\$27,223	\$15,101	\$51,195	\$14,591	\$8,371	\$10.411	\$8.431	\$6,452	\$4,472	\$2,492	\$513	\$105,000 \$513
Total Qualified Investment - Mains 1010	\$28,199,967	\$28,199,967	\$28,270,992	\$28,351,090	\$31,413.648	\$32,454,630	\$32,859,476	\$32,971,478	\$33,127,020	\$33,282,562	\$33,438,103	\$33,593,645	\$33,749,186	\$33,749,186
Total Qualified Investment - Services 1010	\$2,728,922	\$2,728,922	\$2,801,104	\$2,840,807	\$2,862,640	\$2,916,527	\$2,946,958	\$2,957,410	\$2,982,410	\$3,007,410	\$3,032,410	\$3,057,410	\$3,082,410	\$3,082,410
Total Qualified Investment	\$32,101,463	\$32,937.567	\$33,679,525	\$34,562,238	\$35,149,450	\$35,645,509	\$35,931,752	\$36,108,654	\$36,287,216	\$36,465,778	\$36,644,340	\$36,822,902	\$37.001.464	\$37,001,464
Less: Accumulated Depreciation	(\$2,330,929)	(\$2,398,169)	(\$2,465,409)	(\$2.532.965)	(\$2,600,784)	(\$2,675,288)	(\$2,752,168)	(\$2.829.995)	(F2 000 007)	(#2.00 / £72)	(82.065.451)	(02.144.702)	(52.004.000)	(22.22.22.22.22.22.22.22.22.22.22.22.22.
Net Book Value	\$29,770,534	\$30,539,398	\$31,214,116	\$32,029,273	\$32,548,666	\$32.970.221	\$33,179,584	\$33,278,659	(\$2,908,087) \$33,379,129	(\$2,986,572) \$33,479,206	(\$3,065,451) \$33,578,889	(\$3,144.723) \$33.678.179	(\$3,224,388) \$33,777,076	(\$3.224.388) \$33,777,076
		450,557,570	331,217,110	45E,0E7,E75	352,540,000	332.770.221	333,177,304	10.007	\$33,379,129	\$33,479,200	70,007	333,076,179	\$33,777,076	\$33,777,076
Average Net Qualified Investment		\$30,154,966	\$30,876,757	\$31,621,694	\$32,288,969	\$32,759,443	\$33,074,902	\$33,229.122	\$33.328,894	\$33,429,168	\$33,529,048	\$33,628,534	\$33,727,627	
Depreciation Rates					-									
Approved Depreciation Rate-Mains		2.60%	2.60%	2.60%	2.60%	2,60%	2,60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	
Approved Depreciation Rate-Services		2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	
4		2.7.7.0	2.7074	2.7070	2.777	2.7076	2.7070	2.7076	2.7070	2.7076	2,7076	2.7074	2.7074	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		5.9350%	5.9350%	5.9350%	5.9350%	5.9350%	5.9350%	5.9350%	5.9350%	5.9350%	5.9350%	5.9350%	5.9350%	
Debt - Cost of Capital		1.3900%	1.3900%	1.3900%	1.3900%	1.3900%	1.3900%	1.3900%	1.3900%	1.3900%	1.3900%	1.3900%	1.3900%	
Equity Component - inclusive of Income Tax Gross-up		\$149,141	\$152,711	\$156,396	\$159,696	\$162,023	\$163,583	\$164.346	\$164,839	\$165,335	\$165,829	\$166,321	\$166,811	\$1.937,031
Debt Component		\$34,930	\$35,766	\$36,628	\$37,401	\$37,946	\$38,312	\$38,490	\$38,606	\$38,722	\$38,838	\$38,953	\$39,068	\$453,660
Return Requirement		\$184,071	\$188,477	\$193,024	\$197.097	\$199,969	\$201,895	\$202,836	\$203,445	\$204,057	\$204,667	\$205,274	\$205,879	\$2,390,692
Investment Expenses														
Depreciation Expense - Mains		\$61,100	\$61,100	\$61,254	\$61.427	\$68,063	\$70,318	\$71,196	\$71,438	\$71,775	\$72,112	\$72,449	\$72,786	\$815_018
Depreciation Expense - Services		\$6,140	\$6,140	\$6,302	\$6,392	\$6,441	\$6,562	\$6.631	\$6,654	\$6,710	\$6,767	\$6,823	\$6,879	\$78,441
Property Taxes		\$49,618	\$49,618	\$49,618	\$49,618	\$49,618	\$49,618	\$49,618	\$49,618	\$49,618	\$49,618	\$49,618	\$49,618	\$595,416
General Public Notice Expense and Customer Notice Expense		\$2,012		\$1,740	20	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,752
Total Expense		\$118,870	\$116,858	\$118,914	\$117,437	\$124,122	\$126,498	\$127,445	\$127,710	\$128,103	\$128,497	\$128,890	\$129,283	\$1,492,627
Total Revenue Requirements	:	\$302,941	\$305,335	\$311.938	\$314.534	\$324,091	\$328,393	\$330,281	\$331,155	\$332,160	\$333,164	\$334,164	\$335,162	\$3,883,318
GRIP Surcharge Revenues Collected Month		\$ 433,474	\$ 388,476	\$ 392,639	\$ 348,297	\$ 336,190	\$ 310,885	\$ 297,495	\$ 356,344	\$ 343,105	\$ 369,347	\$ 391,404	\$ 413,989	\$4,381,645
Beginning True-Up														\$ (192,146)
(Over) and Under Recovery for the Month		\$ (130,533)	\$ (83,141)	\$ (80,701)	\$ (33,763)	\$ (12,099)	S 17,508	\$ 32,786	\$ (25,189)	\$ (10,944)	\$ (36,183)	\$ (57,239)		(\$498,327)
Monthly Interest (Expense)/Income			S (737)			\$ (1,070)						\$ (1.090)		(\$11,425)
Ending (Over) and Under Recovery	\$ (192,146)	\$ (323,207)	\$ (407,085)	\$ (488,690)	\$ (523,474)	\$ (536,643)	\$ (520,170)	\$ (488,326)	\$ (514,437)	\$ (526,338)	\$ (563,524)	\$ (621,853)		
Beg of Month Annual Interest Rate		2.50%	2.42%	2.42%	2.43%	2.420/	2.4254	2.200/	2.2151	2 2 2 2 2	22			
End of Month Annual Interest Rate		2.30%	2.42%	2.42%	2.43%	2.42% 2.42%	2.42% 2.28%	2.28% 2.21%	2.21% 2.21%	2.21% 2.21%	2.21% 2.21%	2.21%	2.21%	
Average Monthly Interest Rate		0.21%	0,20%	0.20%	0.20%	0.20%	0.20%	0.19%	0.18%	0.18%	0.18%	2,21% 0.18%	2.21% 0.18%	
						0.2770	0.2076	0,1770	V. 1070	V. 1070	17, 1076	0.1070	11.1076	

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Item Qualified Investment Qualified Investment - Mains - Current 1070 Activity Qualified Investment - Mains - Closed 1070 Activity to Plant Qualified Investment - Services - Current 1070 Activity Qualified Investment - Services - Closed 1070 Activity to Plant Qualified Investment - Mains - Current 1010 Activity Qualified Investment - Services - Current 1010 Activity	Beginning <u>Balance</u>	Forecasi Jan \$150,000 (\$164.113) \$16.667 (\$16,709) \$164.113 \$16.709	Forecast Fcb \$150,000 (\$164,113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecasi Mar \$150,000 (\$164,113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecast Apr \$150,000 (\$164,113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecast May \$150,000 (\$164,113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecast Jun \$150,000 (\$164.113) \$16,667 (\$16,709) \$164.113 \$16,709	Forecast Jul \$150,000 (\$164,113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecast Aug \$150,000 (\$164,113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecast Sep \$150,000 (\$164.113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecast Oct \$150,000 (\$164,113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecast Nov \$150,000 (\$164,113) \$16,667 (\$16,709) \$164,113 \$16,709	Forecasi <u>Dcc</u> \$150,000 (\$164.113) \$16,667 (\$16,709) \$164,113 \$16,709	Year End Total \$1,800,000 (\$1,969,355) \$200,000 (\$200,513) \$1,969,355 \$200,513
Total Qualified Investment - Mains 1070 Total Qualified Investment - Services 1070 Total Qualified Investment - Mains 1010 Total Qualified Investment - Services 1010 Total Qualified Investment	\$169,355 \$513 \$33,749,186 \$3,082,410 \$37,001,464	\$155,242 \$470 \$33,913,299 \$3,099,120 \$37,168,131	\$141,129 \$427 \$34,077,412 \$3,115,829 \$37,334,797	\$127,016 \$385 \$34,241,525 \$3,132,538 \$37,501,464	\$112,903 \$342 \$34,405,638 \$3,149,248 \$37,668,131	\$98,790 \$299 \$34,569,751 \$3,165,957 \$37,834,797	\$84,677 \$256 \$34,733,863 \$3,182,667 \$38,001,464	\$70,564 \$214 \$34,897,976 \$3,199,376 \$38,168,131	\$56,452 \$171 \$35,062,089 \$3,216,085 \$38,334,797	\$42,339 \$128 \$35,226,202 \$3,232,795 \$38,501,464	\$28,226 \$85 \$35,390,315 \$3,249,504 \$38,668,131	\$14,113 \$43 \$35,554,428 \$3,266,214 \$38,834,797	\$0 \$0 \$35,718,541 \$3,282,923 \$39,001,464	\$0 \$0 \$35,718,541 \$3,282,923 \$39,001,464
Less: Accumulated Depreciation Net Book Value	(\$3,224,388) \$33,777,076	(\$3,304,446) \$33,863,685	(\$3,384,898) \$33,949,899	(\$3,465,743) \$34,035,721	(\$3,546,981) \$34,121,150	(\$3,628,613) \$34,206,184	(\$3,710,637) \$34,290,827	(\$3,793,055) \$34,375,076	(\$3,875,866) \$34,458,931	(\$3,959,070) \$34,542,394	(\$4,042,667) \$34,625,464	(\$4,126,657) \$34,708,140	(\$4,211,041) \$34,790,423	(\$4,211,041) \$34,790,423
Average Net Qualified Investment		\$33,820,380	\$33,906,792	\$33,992,810	\$34,078,435	\$34,163,667	\$34,248,506	\$34,532,951	\$34,417,003	\$34,500,663	\$34,583,929	\$34,666,802	\$34,749,282	
Depreciation Rates														
Approved Depreciation Rate-Mains Approved Depreciation Rate-Services		2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	2.60% 2.70%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up Debt - Cost of Capital		5.8610% 1,3573%	5,8610% 1.3573%	5.8610% 1.3573%	5.8610% 1.3573%	5.8610% 1.3573%	5.8610% 1.3573%	5,8610% 1.3573%	5.8610% 1.3573%	5.8610% 1.3573%	5.8610% 1.3573%	5.8610% 1.3573%	5.8610% 1.3573%	
Equity Component - inclusive of Income Tax Gross-up Debt Component Return Requirement		\$165,184 \$38,253 \$203,438	\$165,606 \$38,351 \$203,957	\$166,027 \$38,448 \$204,475	\$166,445 \$38,545 \$204,990	\$166,861 \$38,641 \$205,503	\$167,275 \$38,737 \$206,013	\$167,688 \$38,833 \$206,521	\$168,098 \$38,928 \$207,026	\$168,507 \$39,023 \$207,530	\$168,914 \$39,117 \$208,031	\$169,318 \$39,211 \$208,529	\$169,721 \$39,304 \$209,025	\$2,009,645 \$465,391 \$2,475,037
Investment Expenses														
Depreciation Expense - Mains Depreciation Expense - Services Property Taxes General Public Notice Expense and Customer Notice Expense Total Expense		\$73,123 \$6,935 \$56,295 \$2,205 \$138,558	\$73,479 \$6,973 \$56,295 \$1,319 \$138,066	\$73,834 \$7,011 \$56,295 \$2,148 \$139,288	\$74,190 \$7,048 \$56,295 \$0 \$137,533	\$74,546 \$7,086 \$56,295 \$0 \$137,927	\$74,901 \$7,123 \$56,295 \$0 \$138,319	\$75,257 \$7,161 \$56,295 \$1,729 \$140,442	\$75,612 \$7,199 \$56,295 \$0 \$139,106	\$75,968 \$7,236 \$56,295 \$0 \$139,499	\$76,323 \$7,274 \$56,295 \$0 \$139,892	\$76,679 \$7,311 \$56,295 \$0 \$140,285	\$77,035 \$7,349 \$56,295 \$0 \$140,679	\$900,947 \$85,706 \$675,540 \$7,402 \$1,669,595
Total Revenue Requirements		\$341,996	\$342,024	\$343,763	\$342,523	\$343,430	\$344,332	\$346,963	\$346,132	\$347,029	\$347,923	\$348,814	\$349,704	\$4,144,631

Florida Division of Chesapeake Utilities Corporation

Gas Reliability Infrastructure Program (GRIP) Projection of Qualified Mains & Services Revenue Requirements Surcharge Calculation - January 1, 2020 through December 31, 2020 Per Therm/Bill Rate

Schedule D-1 Exhibit_

F----1

Derrick M. Craig (DMC - 1) Page 10 of 15

1. 1/1/20-12/31/20 Qualified Mains & Services Replacement Revenue Requirements

Mains Services Net

\$ 4,144,631 96% \$3,978,846

4% \$165,785 \$4,144,631

TRUE-UP from Prior Period (Over)/Under Recovery Estimated thru 12/2019

\$ (701,897)

2020 Qualified Mains & Services Replacement Revenue Requirements

\$ 3,442,734 96% \$3,305,025

Mains Services

4% \$137,709

Net

\$3,442,734

													Experimental				
RATE	2020	2020	SERVICES	MAINS	SERVICES	MAINS	GRIP	DOLLARS PER	EXPANSION	GRIP	\$ PER	EXPANSION	GRIP FACTORS	ANNUAL COST	TYPICAL	4350141	AVERAGE
CLASS	BILLS	THERMS	COS %	COS %	REV REQ	REV REO	RÉV REQ	THERM		PER THERM	BILL	FACTOR	PER BILL	PER BILL	ANNUAL THERMS	ANNUAL COST	MONTHLY COST
									7,10.01	101(1110101	5.25	meron	1 CK DILL	1 CK DILL	THERIVIS	<u> </u>	<u> </u>
FTS-A	14,343	88,655	14.34%	0.951%	\$ 19,747	\$ 31,431	\$51,178	\$0.57727	1.00503	\$ 0.58018	\$ 3.57	1.00503	\$ 3.59	\$ 43.03	110	\$63.82	\$5.32
FTS-B	28,057	289,901	9.74%	1.142%	\$ 13,413	\$ 37,743	\$51,156	\$0.17646	1.00503	\$ 0.17735	\$ 1.82	1.00503	\$ 1.83	\$ 21.99	215	\$38.13	\$3.18
FTS-I	156,072	2,306,263	33.87%	5.861%	\$ 46,642	\$ 193,708	\$240,350	\$0.10422	1.00503	\$ 0.10474	\$ 1.54	1.00503	\$ 1.55	\$ 18.57	275	\$28.80	\$2.40
FTS-2	10,359	600,119	12,69%	1.611%	\$ 17,475	\$ 53,244	\$70,719	\$0.11784	1.00503	\$ 0.11843	\$ 6.83	1.00503	\$ 6.86	\$ 82.33	875	\$103.63	\$8.64
FTS-2.1	8,694	999,642	7.83%	3.193%	\$ 10,783	\$ 105,529	\$116,312	\$0.11635	1.00503	\$ 0.11694	\$ 13.38	1.00503	\$ 13,45	\$ 161.35	1,575	\$184.18	\$15.35
FTS-3	3,730	1,177,039	3.93%	1.567%	\$ 5,412	\$ 51,790	\$57,202	\$0.04860	1.00503	\$ 0.04884	\$ 15.34	1.00503	\$ 15.41	\$ 184.95	4,000	\$195.37	\$16.28
FTS-3.1	4,183	2,535,709	3.91%	4.294%	\$ 5,384	\$ 141,918	\$147,302	\$0.05809	1.00503	\$ 0.05838	\$ 35.21	1.00503	\$ 35.39	\$ 424.70	7,300	\$426.20	\$35.52
FTS-4		3,211,195	4.37%	6.162%	\$ 6,018	\$ 203,656	\$209,674	\$0,06529	1.00503	\$ 0.06562					12,500	\$820.29	\$68.36
FTS-5		1,187,497	1.24%	2.570%	\$ 1,708	\$ 84,939	\$86,647	\$0,07297	1.00503	\$ 0.07333					37,500	\$2,749.99	\$229.17
FTS-6		1,793,238	1.25%	2.750%	\$ 1,721	\$ 90,888	\$92,609	\$0.05164	1.00503	\$ 0.05190					75,000	\$3,892.74	\$324.40
FTS-7		3,673,527	2.20%	7.615%	\$ 3,030	\$ 251,678	\$254,708	\$0.06934	1.00503	\$ 0.06968					150,000	\$10,452.73	\$871.06
FTS-8		5,244,040	1.62%	10.708%	\$ 2,231	\$ 353,902	\$356,133	\$0.06791	1.00503	\$ 0.06825					300,000	\$20,476.07	\$1,706.34
FTS-9		3,508,425	1.48%	15.171%	\$ 2,038	\$ 501,405	\$503,443	\$0.14350	1.00503	\$ 0.14422					550,000	\$79,319.46	\$6,609.96
FTS-10		2,511,485	0.45%	6.539%	\$ 620	\$ 216,116	\$216,736	\$0.08630	1.00503	\$ 0.08673					850,000	\$73,722.24	\$6,143.52
FTS-11 and FTS-NGV		4,756,672	0.61%	13.551%	\$ 840	\$ 447,864	\$448,704	\$0.09433	1.00503	\$ 0.09481					1,750,000	\$165,910.47	\$13,825.87
FTS-12		18,461,714	0.47%	16.315%	\$ 647	\$ 539,215	\$539,862	\$0.02924	1.00503	\$ 0.02939					3,000,000	\$88,168.01	\$7,347.33
FTS-13		N/A	N/A	0.000%	s -	s -	\$0	N/A		N/A					-	N/A	
TOTAL	225,438	52,345,121	100.00%	100.000%	\$ 137,709	\$ 3,305,025	\$ 3,442,735										

Florida Public Utilities Company -Ft. Meade Gas Reliability Infrastructure Program (GRIP) Investment and Calculation of Equity and Debt Returns

Schedule A-1
Exhibit
Derrick M. Craig (DMC - 1)
Page 11 of 15

	# of Services	Cost per Service	Projected Total Investment	
Earnings Surveillance Report - December 31, 201	7			
Equity Cost Rate			11.00%	
Weighted Equity Cost Rate			2.23%	
Revenue Expansion Factor			1.3559	
Weighted Equity Cost Rate, times Re	venue Expansion Facto	r	3.03%	
Long Term Debt-CU			0.39%	
Short Term Debt			0.30%	
Short Term Debt-Refinanced LTD			0.000%	
Customer Deposits			0.07%	
Tax Credits-Weighted Cost			0.000%	
Weighted Debt Cost Rate			0.750%	
Overall Weighted Cost Rate			2.99%	

Florida Public Utilities-Ft. Meade Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements January 1, 2018 through December 31, 2018

Schedule B-2
Exhibit_____
Derrick M. Craig (DMC - 1)
Page 12 of 15

Item Qualified Investment	Beginning Balance	Actual <u>Jan</u>	Actual <u>Fcb</u>	Actual Mar	Actual <u>Apr</u>	Actual May	Actual Jun	Actual <u>Jul</u>	Forecast Aug	Forecast Scp	Forecast Oct	Forecasi Nov	Forecast Dec	Year End Total
Qualified Investment - Mains - Current 1070 Activity Qualified Investment - Mains - Closed 1070 Activity to Plant				\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0						
Qualified Investment - Services - Current 1070 Activity Qualified Investment - Services - Closed 1070 Activity to Plant		\$1,138	\$933 (\$733)	\$2,750 (\$1,338)	\$0 (\$2,750)	\$0 \$0	\$39,036 (\$19,321)	\$11,721 (\$21,945)	\$2,574 (\$9,617)	\$711 (\$2,449)	\$2,407 (\$3,118)	\$187 \$ 0	\$0 (\$187)	\$61,458
Qualified Investment - Mains - Current 1010 Activity		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,449)	(\$3.118)	\$0 \$0	(\$187)	(\$61,458) \$0
Qualified Investment - Services - Current 1010 Activity		\$0	\$7 33	\$1,338	\$2,750	\$0	\$19,321	\$21,945	\$9,617	\$2,449	\$3,118	\$0	\$187	\$61,458
Total Qualified Investment - Mains 1070	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Qualified Investment - Services 1070	(\$1)	\$1,137	\$1,337	\$2,749	(\$1)	(\$1)	\$19.715	\$9,491	\$2,448	\$711	(\$1)	\$186	(\$1)	(\$1)
Total Qualified Investment - Mains 1010 Total Qualified Investment - Services 1010	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Qualified Investment - Services 1010	\$188,731 \$188,730	\$188,731 \$189,868	\$189,464 \$190,801	\$190,802 \$193,552	\$193,552 \$193,552	\$193,552 \$193,552	\$212,873 \$232,588	\$234,818 \$244,309	\$244,434 \$246,883	\$246,883 \$247,594	\$250,001	\$250,001	\$250,188	\$250,188
· · · · · · · · · · · · · · · · · · ·		\$102,000	\$170,001	3175.552	\$195,552	3193,332	\$232,386	3244,309	\$240,883	\$247,394	\$250,001	\$250,188	\$250,188	\$250,188
Less: Accumulated Depreciation	(\$3,349)	(\$3,774)	(\$4,199)	(\$4,625)	(\$5.054)	(\$5,489)	(\$5.924)	(\$6,403)	(\$6,931)	(\$7,481)	(\$8,036)	(\$8,599)	(\$9,162)	(\$9.162)
Net Book Value	\$185,381	\$186,094	\$186,602	\$188,927	\$188,498	\$188,063	\$226,664	\$237,906	\$239,952	\$240,113	\$241,965	\$241,589	\$241.026	\$241,026
Average Net Qualified Investment		\$185,738	\$186,348	\$187,764	\$188,712	\$188,280	\$207,363	\$232,285	\$238,929	\$240,03 2	\$241,039	\$241,777	\$241,307	
Depreciation Rates														
Approved Depreciation Rate-Mains		2.60%	2.60%	2.60%	2.60%	2,60%	2.60%	2,60%	2.60%	2,60%	2.60%	2.60%	2.60%	
Approved Depreciation Rate-Services		2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2,70%	2.70%	2.70%	2,70%	2.70%	2.70%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		7.2000%	5,9400%	5,9400%	5,9400%	5.9400%	5.9400%	5.9400%	5,9400%	5.9400%	£ 04009V	£ 0.40000	£ 5 400m/	
Debt - Cost of Capital		1.0200%	1.0200%	1.0200%	1.0200%	1.0200%	1.0200%	1.0200%	1.0200%	1.0200%	5,9400% 1.0200%	5,9400% 1.0200%	5.9400% 1.0200%	
Equity Component - inclusive of Income Tax Gross-up		\$1,114	\$922	\$929	\$934	\$932	\$1,026	\$1,150	\$1,183	\$1,188	\$1,193	\$1,197	\$1,194	\$12,964
Debt Component		\$158	\$158	\$160	\$160	\$160	\$176	\$197	\$203	\$204	\$205	\$206	\$205	\$2,193
Return Requirement	_	\$1,272	\$1,081	\$1,089	\$1,095	\$1.092	\$1,203	\$1,347	\$1.386	\$1,392	\$1,398	\$1,402	\$1,400	\$15.157
Investment Expenses														
Depreciation Expense - Mains		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Depreciation Expense - Services		\$425	\$425	\$426	\$429	\$435	\$435	\$479	\$528	\$550	\$555	\$563	\$563	\$5,813
Property Taxes General Public Notice Expense and Customer Notice Expense		\$309	\$309	\$309	\$309	\$309	\$309	\$309	\$309	\$309	\$309	\$309	\$ 309	\$3,708
Total Expense	_	\$0 \$734	\$0 \$734	\$0 \$735	\$0 \$738	\$0 \$744	\$0 \$744	\$0 \$788	\$837	\$0 \$859	\$0	\$0	\$0	\$0
		3/34	3734	3733	3/36	3/44	\$744	3/88	\$837	2829	\$864	\$872	\$872	\$9.521
Tax Reform-Adjustment for 2/1-2/6/2018			\$42											\$42
Total Revenue Requirements	_	\$2,006	\$1,857	\$1,824	\$1,833	\$1.836	\$1,947	\$2,135	\$2,223	\$2,251	\$2,262	\$2,274	\$2,272	\$24,720
GRIP Surcharge Revenues Collected Month		1.216	864 \$	624 S	680 \$	508 \$	536 \$	402 \$	433 \$	449 \$	402 \$	492 \$	786	\$7,394
Beginning True-Up														(12.520)
(Over) and Under Recovery for the Month	S	790	992 \$	1,200 S	1,152 \$	1,328 \$	1,411 \$	1,733 \$	1.790 \$	1,802 \$	1,860 \$	1,782 \$	1,486	\$ (13,528) \$17,326
Monthly Interest (Expense)/Income		(16)				(14) \$	(12) \$	(10) \$	(7) \$	(4) \$		2 \$		(\$104)
Ending (Over) and Under Recovery	\$ (13,528) \$	(12,754)	(11.778) \$	(10,594) \$	(9,458) \$	(8,144) \$	(6.746) \$	(5,022) \$	(3,239) \$	(1,441) \$	418 \$	2,202 \$	3,693	
Beg of Month Annual Interest Rate		1.49%	1.50%	1.66%	1.86%	1.90%	1.86%	2,00%	1.97%	2.02%	2,13%	2.24%	2.27%	
End of Month Annual Interest Rate		1.50%	1.66%	1.86%	1.90%	1.86%	2.00%	1.97%	2.02%	2.02%	2.13%	2.24%	2.27%	
Average Monthly Interest Rate		0.13%	0.13%	0.15%	0.16%	0.16%	0.16%	0.17%	0.17%	0.17%	0.18%	0.19%	0.20%	

Florida Public Utilities-Ft. Meade Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements January 1, 2019 through December 31, 2019

Schedule C-1
Exhibit_____
Derrick M. Craig (DMC - 1)
Page 13 of 15

Item Oualified Investment	Beginning Balance	Actual Jan	Actual Feb	Actual Mar	Actual Apr	Actual May	Actual Jun	Actual <u>Jul</u>	Forecast Aug	Forecası Sep	Forecasi Oci	Forecast Nov	Forecast Dec	Year End <u>Total</u>
Qualified Investment - Mains - Current 1070 Activity				\$0	\$0	\$0	\$0	***	***	50				
Qualified Investment - Mains - Closed 1070 Activity to Plant				\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Qualified Investment - Services - Current 1070 Activity		\$2,536	\$0	\$3.971	(\$2,761)	\$0	\$0	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$8,744
Qualified Investment - Services - Closed 1070 Activity to Plant		\$0	(\$2,536)	\$0	(\$1,870)	\$0	\$660	\$0	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$8.744)
Qualified Investment - Mains - Current 1010 Activity		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Qualified Investment - Services - Current 1010 Activity		\$0	\$2,536	\$0	\$1,870	\$0	(\$660)	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$8,744
Total Qualified Investment - Mains 1070	\$0	\$0	\$0	\$0	\$0	\$0	\$ 0	\$0	\$0	\$0	#10	***		
Total Qualified Investment - Services 1070	(\$1)	\$2,535	(\$1)	\$3,970	(\$661)	(\$661)	(\$1)	(12)	(\$1)	(\$1)	\$0 (\$1)	\$0 (\$1)	\$0 (\$1)	\$0 (\$1)
Total Qualified Investment - Mains 1010	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1) \$0	(31) S()	(\$1) \$0
Total Qualified Investment - Services 1010	\$250,188	\$250,188	\$252,724	\$252,724	\$254,594	\$254,594	\$253,934	\$253,934	\$254,933	\$255,933	\$256,933	\$257,932	\$258,932	\$258,932
Total Qualified Investment	\$250,188	\$252,723	\$252.723	\$256,694	\$253,933	\$253,933	\$253,933	\$253,933	\$254,933	\$255,933	\$256,932	\$257,932	\$258,932	\$258,932
		_												
Less: Accumulated Depreciation Net Book Value	(\$9,162)	(\$9,725)	(\$10.288)	(\$10,857)	(\$11,426)	(\$11,999)	(\$12.572)	(\$13,143)	(\$13,714)	(\$14,288)	(\$14,864)	(\$15,442)	(\$16,022)	(\$16,022)
Net Book Value	\$241,026	\$242,998	\$242,435	\$245,837	\$242,507	\$241,934	\$241,361	\$240,790	\$241,219	\$241,645	\$242,068	\$242,490	\$242,910	\$242,910
Average Net Qualified Investment	_	\$242,012	\$242,717	\$244,136	\$244,172	\$242,221	\$241,648	\$241,076	\$241,005	\$241,432	\$241.856	\$242,279	\$242,700	
Depreciation Rates														
Approved Depreciation Rate-Mains		2.60%	2,60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2 (00)			
Approved Depreciation Rate-Services		2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2.70%	2,60% 2,70%	2.60% 2.70%	2.60% 2,70%	
Return on Average Net Qualified Investment														
Equity - Cost of Capital, inclusive of Income Tax Gross-up		4,6600%	4.6600%	4.6600%	4,6600%	4,6600%	4.6600%	4.6600%	4.6600%	4.6600%	4.6600%	4,6600%	4.6600%	
Debt - Cost of Capital		1.0500%	1.0500%	1.0500%	1.0500%	1.0500%	1.0500%	1.0500%	1.0500%	1.0500%	1.0500%	1.0500%	1.0500%	
Equity Component - inclusive of Income Tax Gross-up		\$940	\$943	\$948	\$948	\$941	\$938	\$936	\$936	\$938	\$939	\$941	\$942	\$11,290
Debt Component	_	\$212	\$212	\$214	\$214	\$212	\$211	\$211	\$211	\$211	\$212	\$212	\$212	\$2.544
Return Requirement	-	\$1.152	\$1,155	\$1,162	\$1,162	\$1,153	\$1,150	\$1,147	\$1,147	\$1,149	\$1,151	\$1,153	\$1.155	\$13,834
Investment Expenses														
Depreciation Expense - Mains		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	***
Depreciation Expense - Services		\$563	\$563	\$569	\$569	\$573	\$573	\$571	\$571	\$574	\$576	\$578	\$580	\$0 \$6,860
Property Taxes		\$402	\$402	\$402	\$402	\$402	\$402	\$402	\$402	\$402	\$402	\$402	\$402	\$4,824
General Public Notice Expense and Customer Notice Expense	_	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Expense	-	\$965	\$965	\$971	\$971	\$975	\$ 975	\$973	\$973	\$976	\$978	\$980	_\$982	\$11,684
Total Revenue Requirements	=	\$2,117	\$2,120	\$2,133	\$2,133	\$2,128	\$2,125	\$2,120	\$2,120	\$2,125	\$2,129	\$2,133	\$2,137	\$25,518
GRIP Surcharge Revenues Collected Month	 	\$3,685	\$3,385	\$2,293	\$2,264	\$70	\$1,828	\$2,116	\$1,480	\$1,646	\$1,595	\$1.887	\$2,839	\$25,087
Beginning True-Up														
(Over) and Under Recovery for the Month	3	(1,568)	S (1,265) \$	(160) \$	(131) - \$	2,058 \$	297 \$	4 \$	640 \$	479	5 534 \$	246 5	(702) 5	
Monthly Interest (Expense)/Income		6												\$64
Ending (Over) and Under Recovery	\$ 3,693								3,599					
Beg of Month Annual Interest Rate		2.50%	2.42%	2.42%	2.43%	2.42%	2,42%	2.28%	2.21%	2,21%	2.21%	2.21%	2.21%	
End of Month Annual Interest Rate		2.42%	2.42%	2.43%	2.42%	2.42%	2.28%	2.21%	2.21%	2.21%	2.21%	2.21%	2.21%	
Average Monthly Interest Rate		0.21%	0.20%	0.20%	0.20%	0.20%	0.20%	0.19%	0.18%	0.18%	0.18%	0.18%	0.18%	

Florida Public Utilities-Ft. Meade Gas Reliability Infrastructure Program (GRIP) Calculation of the Projected Revenue Requirements January 1, 2020 through December 31, 2020

Schedule C-2
Exhibit_____
Derrick M. Craig (DMC - 1)
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Item Oualified Invest		Beginning Balance	Forecast <u>Jan</u>	Forecast Fcb	Forecast Mar	Forecasi Apr	Forecast May	Forecast Jun	Forecasi Jul	Forecast Aug	Forecast Sep	Forecasi Oct	Forecast Nov	Forecast Dec	Year End <u>Total</u>
	Qualified Investment - Mains - Current 1070 Activity		_												
	Qualified Investment - Mains - Closed 1070 Activity to Plant		\$0	\$0	\$0	- \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Qualified Investment - Mains - Closed 1070 Activity to Plant Qualified Investment - Services - Current 1070 Activity		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	SO	\$0	\$0
	Qualified Investment - Services - Closed 1070 Activity to Plant		\$0	\$0	\$0	\$0	. \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Qualified Investment - Mains - Current 1010 Activity to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Qualified Investment - Services - Current 1010 Activity Qualified Investment - Services - Current 1010 Activity		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Qualified investment - Services - Current 1010 Activity		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Qualified Investment - Mains 1070	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Qualified Investment - Services 1070	(\$1)	(12)	(\$1)	(\$1)	(\$1)	(\$1)	(\$1)	(\$1)	(\$1)	(\$1)	(\$1)	(\$1)	(\$1)	(\$1)
	Total Qualified Investment - Mains 1010	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$()
	Total Qualified Investment - Services 1010	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932
	Total Qualified Investment	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932	\$258.932	\$258,932	\$258,932	\$258,932	\$258,932	\$258,932
		*			·				- 14 /			***************************************	3230,332	3230,332	\$236,332
	Less: Accumulated Depreciation	(\$16,022)	(\$16,605)	(\$17,188)	(\$17,771)	(\$18,354)	(\$18,937)	(\$19,520)	(\$20,103)	(\$20,686)	(\$21.269)	(\$21,852)	(\$22,435)	(\$23.018)	(\$23,018)
	Net Book Value	\$242,910	\$242,327	\$241,744	\$241,161	\$240,578	\$239,995	\$239,412	\$238,829	\$238.246	\$237,663	\$237,080	\$236,497	\$235,914	\$235,914
											4.000	\$257,000	\$250,457	323,714	3233,714
	Average Net Qualified Investment	_	\$242,618	\$242,035	\$241,452	\$240,869	\$240,286	\$239,703	\$239,120	\$238,537	\$237.954	\$237,371	\$236,788	\$236,205	
Depreciation Ra	ites														
	Approved Depreciation Rate-Mains		2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2.60%	2 (00)		
	Approved Depreciation Rate-Services		2.70%	2,70%	2.70%	2.70%	2,70%	2.70%	2.70%	2.70%	2.70%	2.70%	2,60% 2,70%	2.60% 2.70%	
Return on Aver	age Net Qualified Investment							2,	2 ,71170	4.7.70	2.7070	2.7076	2.7076	2.7076	
	Equity - Cost of Capital, inclusive of Income Tax Gross-up		3.0300%	3,0300%	2 020004	2.020004	2 02000								
	Debt - Cost of Capital		0.7505%	0.7505%	3.0300%	3.0300%	3.0300%	3,0300%	3.0300%	3.0300%	3.0300%	3.0300%	3,0300%	3.0300%	
	Source Cost of Capital		0.730376	0,7303%	0.7505%	0.7505%	0.7505%	0,7505%	0.7505%	0.7505%	0.7505%	0.7505%	0.7505%	0.7505%	
	Equity Component - inclusive of Income Tax Gross-up		\$613	\$611	\$610	\$608	\$607	2005	****	***					
	Debt Component		\$152	\$151	\$151	\$151	\$150	\$605 \$150	\$604 \$150	\$602	\$601	\$599	\$598	\$596	\$7,254
	Return Requirement	_	\$764	\$763	\$761	\$759	\$757	\$755	\$753	\$149 \$751	\$149 \$750	\$148	\$148	S148	\$1,797
	·	_			\$101	3737	3131	3/33	\$733	3/31	\$/30	\$748	\$746	\$744	\$9,051
Investment Expe	enscs														
	Depreciation Expense - Mains		\$0	\$0	\$0	\$0	\$0	\$0	\$0						
	Depreciation Expense - Services		\$583	\$583	\$583	\$583	\$583	\$583	-	\$0	\$0	\$0	\$0	\$0	\$0
	Property Taxes		\$405	\$405	\$405	\$405	\$383 \$405	\$383 \$405	\$583 \$405	\$583 \$405	\$583 \$405	\$583	\$583	\$583	\$6,996
	General Public Notice Expense and Customer Notice Expense		\$0	\$0	\$0	\$0	\$0	\$403	\$405 \$0	\$405 \$0		\$405	\$405	\$405	\$4,860
	Total Expense	_	\$988	\$988	\$988	\$988	\$988	\$988	\$988	\$988	\$988	\$0	\$0	\$0	\$0
	•	_		42,03	4700	2700	2200	\$708	3708	2788	3988	\$988	\$988	\$988	\$11,856
Total Revenue F	Requirements	-	\$1,752	\$1,751	\$1,749	\$1,747	\$1,745	\$1,743	\$1,741	\$1,739	\$1,738	\$1,736	\$1,734	\$1,732	\$20,907

Florida Public Utilities Company-Fort Meade

Gas Reliability Infrastructure Program (GRIP)
Projection of Qualified Mains & Services Revenue Requirements
Surcharge Calculation - January 1, 2020 through December 31, 2020
Per Therm Rate

Schedule D-1
Exhibit_____
Derrick M. Craig (DMC - 1)
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1.	1/1/20-12/31/20 Qualified Mains & Services Replacement Revenue Requi	irements		\$ 20,907
	Mains	0%	\$0	
	Services	100%	\$20,907	
	Net		\$20,907	
2.	TRUE-UP from Prior Period (Over)/Under Recovery Estimated thru 12/2	2019		\$ 4,188
3.	2020 Qualified Mains & Services Replacement Revenue Requirements			\$ 25,095
	Mains	0%	\$0	
	Services	100%	\$25,095	
	Net		\$25,095	

RATE SCHEDULE	2019 THERMS	SERVICES COS %	MAINS COS %	SERVICES REV REQ	MAINS REV REQ	GRIP REV REQ	DOLLARS PER THERM	TAX FACTOR	GRIP FACTORS PER THERM	TYPICAL ANNUAL THERMS	ANNUAL COST	AVERAGE MONTHLY COST
RESIDENTIAL	69,663	58.00%	22.00%	\$14,555	\$0	\$14,555	\$0.20894	1.00503	\$0.20999	250	\$52.50	\$4.37
COMMERCIAL SMALL (General Service & GS Transportation)	65,892	17.00%	23.00%	\$4,266	\$0	\$4,266	\$0.06474	1.00503	\$0.06507	2,500	\$162.68	\$13.56
COMM. LRG VOLUME (Large Vol & LV Transportation)	0	25.00%	46.00%	\$6,274	\$0	\$6,274	\$0.00000	1.00503	\$0.00000	25,000	\$0.00	\$0.00
INTERRUPTIBLE SERVICE (Int Service & IS Transportation)	0	0.00%	8.00%	\$0	\$0	\$0	\$0.00000	1.00503	\$0.00000	50,000	\$0.00	\$0.00
GENERAL LIGHTING SERVICE	0	0.00%	1.00%	\$0	\$0	\$0	\$0.00000	1.00503	\$0.00000	500	\$0.00	\$0.00

						
TOTAL	135,555	100.00%	100.00%	\$25,095	\$0	\$25,095