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August 9, 2019

**E-PORTAL/ELECTRONIC FILING**

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

***Re: Docket No. 20190004-GU – Natural Gas Conservation Cost Recovery Clause***

Dear Mr. Teitzman:

Attached for electronic filing, please find the Direct Testimony and Exhibit GSR-1 of Mr. Scott Ranck on behalf 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, along with the companies' Joint Petition for Approval of Conservation Cost Recovery Factors.

Thank you for your assistance with this filing. As always, please don't hesitate to let me know if you have any questions whatsoever.

Sincerely,



Beth Keating  
Gunster, Yoakley & Stewart, P.A.  
215 South Monroe St., Suite 601  
Tallahassee, FL 32301  
(850) 521-1706

MEK  
cc: Parties of Record

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Natural Gas Conservation Cost )  
Recovery )  
\_\_\_\_\_ )

Docket No. 20190004-GU  
Filed: August 9, 2019

**JOINT PETITION OF THE FLORIDA PUBLIC UTILITIES COMPANY, FLORIDA  
PUBLIC UTILITIES COMPANY – INDIANTOWN DIVISION, FLORIDA PUBLIC  
UTILITIES COMPANY – FORT MEADE AND FLORIDA DIVISION OF  
CHESAPEAKE UTILITIES CORPORATION FOR APPROVAL OF  
CONSERVATION COST RECOVERY FACTORS**

Florida Public Utilities Company, Consolidated Natural Gas Division (“FPU NG”), Florida Public Utilities Company – Indiantown Division (“Indiantown”), Florida Public Utilities Company – Fort Meade (“Fort Meade”), and Florida Division of Chesapeake Utilities Corporation (“Chesapeake”)(“herein, jointly referred to as “Consolidated Companies”), pursuant to Rule 25-17.015, Florida Administrative Code, hereby submit this Joint Petition to the Commission for approval of the Conservation Cost Recovery Adjustment factors listed herein to be applied to bills rendered for meter readings taken between January 1, 2020 and December 31, 2020. In support hereof, the Consolidated Companies states:

1. The names of the Consolidated Companies and the address of their principal business office is:

Florida Public Utilities Company/Florida Division of Chesapeake Utilities Corporation  
1750 S 14th Street, Suite 200  
Fernandina Beach FL 32034

2. The name and address of the persons authorized to receive notices and communications in respect to this docket is:

Beth Keating, Esq  
Gunster, Yoakley & Stewart, P.A.  
215 S. Monroe St., Suite 601  
Tallahassee, FL 32301-1839  
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Mike Cassel, AVP/Regulatory and  
Governmental Affairs  
Florida Public Utilities Company/Florida  
Division of Chesapeake Utilities  
Corporation  
1750 S 14th Street, Suite 200  
Fernandina Beach FL 32034  
mcassel@fpuc.com

3. The Conservation Cost Recovery Adjustment factors were calculated in accordance with the methodology that has been previously approved by the Commission and reflect consolidated costs for the 2019 projection period. The factors are designed to recover the projected energy conservation program expenses of the Consolidated Companies for the period January 1, 2020 through December 31, 2020, adjusted for the net true-up (which includes the estimated energy conservation true-up for the period January 1, 2019 through December 31, 2019, as well as interest calculated in accordance with the methodology established by the Commission. The calculation of the factors and the supporting documentation is contained in the prepared testimony of the Consolidated Companies' witness, Ms. Danielle Mulligan and Exhibit DNBM-1.
  
4. The Consolidated Companies project total energy conservation program expenses of \$5,221,800 for the period January 2020 through December 2020. The projected net true-up is an under-recovery of \$96,411. After adding the projected energy conservation expenses to the amount of this over-recovery, a total of \$5, 318,211 remains to be recovered during the period January 1, 2020 through December 31, 2020. Dividing this total among the Consolidated Companies' rate classes and then dividing this result by the projected gas throughput for the period by rate class, and expanding for taxes, results in the following Conservation Cost Recovery Adjustment factors for which the Consolidated Companies seek approval in this petition.

<u>Rate Class</u>	<u>Adjustment Factor</u> <u>(dollars per therm)</u>
RESIDENTIAL (FPU, Fort Meade)	\$ 0.10281
COMMERCIAL SMALL (FPU, Fort Meade)( Gen Srv GS1 & GS Transportation <600)	\$ 0.06276

COMMERCIAL SMALL (FPU, Fort Meade) (Gen Srv GS2 & GS Transportation >600)	\$	0.04750
COMM. LRG VOLUME (FPU, Fort Meade) (Large Vol & LV Transportation <,> 50,000 units)	\$	0.03987
Natural Gas Vehicles	\$	0.01743
TS1 (INDIANTOWN DIVISION)	\$	0.10118
TS2 (INDIANTOWN DIVISION)	\$	0.01424
TS3 (INDIANTOWN DIVISION)	\$	0.02720
TS4 (INDIANTOWN DIVISION) <sup>1</sup>	\$	0.0000
<b><u>CHESAPEAKE</u></b>		
FTS-A	\$	0.25768
FTS-B	\$	0.19566
FTS-1	\$	0.17125
FTS-2	\$	0.08675
FTS-2.1	\$	0.06376
FTS-3	\$	0.05567
FTS-3.1	\$	0.04165
FTS-4	\$	0.03543
FTS-5	\$	0.03028

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<sup>1</sup> The Consolidated Companies note that the customers in this class are no longer on the system; therefore, the rate is appropriately reflected as \$0.

<u>Rate Class</u>		<u>Adjustment Factor (dollars per therm)</u>
FTS-6	\$	0.02557
FTS-7	\$	0.01728
FTS-8	\$	0.01558
FTS-9	\$	0.01356
FTS-10	\$	0.01259
FTS-11	\$	0.01015
FTS-12	\$	0.00845

The Consolidated Companies also seek approval of the following experimental per bill Conservation Cost Recovery Adjustment (Experimental) factors for Chesapeake:

<b>Rate Class</b>	<b>ECCR Factor (\$ per bill)</b>
FTS-A	\$1.57
FTS-B	\$2.05
FTS-1	\$2.58
FTS-2	\$5.32
FTS-2.1	\$7.63
FTS-3	\$18.80
FTS-3.1	\$25.86

**WHEREFORE**, Florida Public Utilities Company – Consolidated Natural Gas Division, Florida Public Utilities Company – Indiantown Division, Florida Public Utilities – Fort Meade, and the Florida Division of Chesapeake Utilities Corporation ask that the Commission approve

the above Conservation Cost Recovery Adjustment factors to be applied to bills rendered for meter readings taken between January 1, 2020 and December 31, 2020, inclusive.

RESPECTFULLY submitted this 9th day of August, 2019.



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Beth Keating, Esquire  
Gunster, Yoakley & Stewart, P.A.  
215 South Monroe St., Suite 601  
Tallahassee, FL 32301  
(850) 521-1706

*Attorneys for Florida Public Utilities  
Company, Florida Public Utilities  
Company-Indiantown Division, Florida  
Public Utilities Company-Fort Meade, and  
the Florida Division of Chesapeake Utilities  
Corporation*

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that a true and correct copy of the Joint Petition of the Florida Public Utilities Companies and the Florida Division of Chesapeake Utilities Corporation, as well as the Direct Testimony and Exhibits of Mr. G. Scott Ranck, has been furnished by electronic mail to the following parties of record this 9th day of August, 2019:

<p>Florida Public Utilities Company/Florida Division of Chesapeake Utilities/Indiantown Mike Cassel 1750 S.W. 14th Street, Suite 200 Fernandina Beach, FL 32034 <a href="mailto:mcassel@fpuc.com">mcassel@fpuc.com</a></p>	<p>MacFarlane Ferguson Law Firm Ansley Watson, Jr. /Andrew Brown P.O. Box 1531 Tampa, FL 33601-1531 <a href="mailto:aw@macfar.com">aw@macfar.com</a>; <a href="mailto:AB@macfar.com">AB@macfar.com</a></p>
<p>Rachael Dziechciarz Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399 <a href="mailto:rdziehc@psc.state.fl.us">rdziehc@psc.state.fl.us</a></p>	<p>Office of Public Counsel J.R. Kelly/Charles Rehwinkel/Patricia Christensen c/o The Florida Legislature 111 West Madison Street Room 812 Tallahassee, FL 32399-1400 <a href="mailto:Kelly.JR@leg.state.fl.us">Kelly.JR@leg.state.fl.us</a> <a href="mailto:Christensen.Patty@leg.state.fl.us">Christensen.Patty@leg.state.fl.us</a> <a href="mailto:Rehwinkel.Charles@leg.state.fl.us">Rehwinkel.Charles@leg.state.fl.us</a></p>
<p>Peoples Gas System Paula Brown Kandi Floyd P.O. Box 111 Tampa, FL 33601-0111 <a href="mailto:regdept@tecoenergy.com">regdept@tecoenergy.com</a> <a href="mailto:kfloyd@tecoenergy.com">kfloyd@tecoenergy.com</a></p>	<p>St. Joe Natural Gas Company, Inc. Mr. Andy Shoaf P.O. Box 549 Port St. Joe, FL 32457-0549 <a href="mailto:Andy@stjoegas.com">Andy@stjoegas.com</a></p>
<p>Sebring Gas System, Inc. Jerry H. Melendy, Jr. 3515 U.S. Highway 27 South Sebring, FL 33870 <a href="mailto:jmelendy@floridasbestgas.com">jmelendy@floridasbestgas.com</a></p>	<p>Christopher T. Wright Florida Power and Light 700 Universe Boulevard (LAW/JB) Juno Beach FL 33408 <a href="mailto:Christopher.Wright@fpl.com">Christopher.Wright@fpl.com</a></p>

<p>Florida City Gas Carolyn Bermudez/Miguel Bustos 4045 NW 97th Avenue Doral, Florida 33178 Carolyn.Bermudez@NEXTERAENERGY.COM Miguel.Bustos@NEXTERAENERGY.COM</p>	
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1                   BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

2                                   DOCKET NO. 20190004-GU

3                   DETERMINATION OF CONSERVATION COSTS RECOVERY FACTOR

4                                   Direct Testimony of G. Scott Ranck

5   On Behalf of

6                   FLORIDA PUBLIC UTILITIES CONSOLIDATED GAS COMPANIES

7    **Q.    Please state your name and business address.**

8    A.    G. Scott Ranck. My business address is 331 W. Central Ave. Suite 200,  
9           Winter Haven, Florida 33880.

10   **Q.   By whom are you employed and in what capacity?**

11   A.    I am employed by Florida Public Utilities Company (FPUC) as the Energy  
12           Conservation Manager.

13   **Q.   Can you please provide a brief overview of your educational and  
14           employment background?**

15   A.    I began my career in residential construction building houses in  
16           Pennsylvania and North Carolina. I then pursued my Bachelor's Degree in  
17           Theology (Summa Cum Laude) from Piedmont International University,  
18           Winston-Salem, NC. In 2006, I went back to my construction roots as an  
19           employee of FPUC in the natural gas conservation department. I became a  
20           Residential Energy Services Network (RESNET) Home Energy Rating  
21           System (HERS) Rater in February of 2009. I was subsequently promoted to  
22           Senior Energy Conservation Specialist with FPUC in January of 2012. In  
23           this role, I was responsible for implementing the Company's natural gas  
24           energy conservation program and also assisted with the implementation of

1 FPUC's Electric Demand-Side Management (DSM) Program. Furthering my  
2 pursuit of additional training in building science, energy and related topics, I  
3 received certification as a Certified Energy Auditor (CEA) on January 25,  
4 2011, as well as certification as a Certified Energy Manager (CEM) in April  
5 2013. Both credentials are through the Association of Energy Engineers. I  
6 was also appointed to the Energy Technical Advisory Committee for the  
7 Florida Building Commission in December of 2016. Recently, I was  
8 promoted to Energy Conservation Manager with FPUC in March of 2019.  
9 In this new role, I oversee both natural gas and electric energy conservation  
10 programs for the Company.

11

12 **Q. What is the purpose of your testimony at this time?**

13 A. To describe generally the expenditures made and projected to be made in  
14 implementing, promoting, and operating the Company's energy conservation  
15 programs. This will include recoverable costs incurred in January through  
16 June 2019 and projections of program costs to be incurred July through  
17 December 2019. It will also include projected conservation costs, for the  
18 period January through December 2020, with a calculation of the Energy  
19 Conservation Cost Recovery Adjustment and Energy Conservation Cost  
20 Recovery Adjustment (Experimental) factors to be applied to the customers'  
21 bills during the collection period of January 1, 2020 through December 31,  
22 2020.

23 **Q. Are there any exhibits that you wish to sponsor in this proceeding?**

24 A. Yes. The Company wishes to sponsor as Exhibits Schedules C-1, C-2, C-3,

1 and C-5 (Composite Prehearing Identification Number GSR-1), which have  
2 been filed with this testimony.

3 **Q. Have there been any changes in the Conservation filing compared to the**  
4 **prior year?**

5 A. As done in the 2019 projections, the Company has consolidated the natural  
6 gas conservation programs and costs for the 2020 projection period. The  
7 schedules were prepared this period using consolidated costs and revenues for  
8 Florida Public Utilities Gas Division (FPUC), the Florida Division of  
9 Chesapeake Utilities, the FPUC Ft. Meade Division, and the FPUC  
10 Indiantown Division. The Company did not project any expenses for its  
11 Conservation, Demonstration and Development program because it ended on  
12 December 31, 2017.

13 **Q. Has the Company included descriptions and summary information on the**  
14 **Conservation Programs currently approved and available to your**  
15 **customers for Florida Public Utilities Company?**

16 A. Yes, the Company has included summaries of the approved conservation  
17 programs currently available to our customers in all divisions in C-5 of  
18 Exhibit GSR-1.

19 **Q. Has the Company prepared summaries of its Conservation Programs and**  
20 **the Costs associated with these Programs?**

21 A. Yes, the Company has prepared the summaries of the Company's  
22 Conservation Programs and costs associated with these programs in C-5 of  
23 Exhibit GSR-1.

24 **Q. What are the total projected costs for the period January 2020 through**

1           **December 2020 in the Florida Division of Chesapeake Utilities**  
2           **Corporation?**

3    A.    The total projected Consolidated Conservation Program Costs are \$5,221,800.  
4           Please see Schedule C-2, page 2, for the programmatic and functional  
5           breakdown of these total costs.

6    **Q.    What is the true-up for the period January 2019 through December**  
7           **2019?**

8    A.    As reflected in the Schedule C-3, Page 4 of 5, the True-up amount for the  
9           Consolidated Natural Gas Divisions is an under-recovery of \$96,411.

10   **Q.    What are the resulting net total projected conservation costs to be**  
11           **recovered during this projection period?**

12   A.    The total costs to be recovered are \$5,318,211.

13   **Q.    Has the Company prepared a schedule that shows the calculation of its**  
14           **proposed Energy Conservation Cost Recovery Adjustment factors to be**  
15           **applied during billing periods from January 1, 2020 through December**  
16           **31, 2020?**

17   A.    Yes. Schedule C-1 of Exhibit GSR-1 shows these calculations. Net program  
18           cost estimates for the period January 1, 2020 through December 31, 2020 are  
19           used. The estimated true-up amount from Schedule C-3, page 4 of 5, of  
20           Exhibit GSR-1, being an under-recovery, was added to the total of the  
21           projected costs for the 12-month period. The total amount was then divided  
22           among the Company's rate classes, excluding customers who are on market-  
23           based rates that fall under Special Contract Services (Original Sheet No. 19  
24           for the Florida Division of Chesapeake Utilities) and tariff rate class FTS-13

1 for the same division, based on total projected contribution. In addition, the  
2 customer classes for Outdoor Lights, Interruptible and Interruptible  
3 Transportation have always been exempt from the Conservation Adjustment  
4 Factor due to the distinctive service provided by the Company.

5 The results were then divided by the projected gas throughput for each rate  
6 class for the 12-month period ending December 31, 2020. The resulting  
7 Energy Conservation Cost Recovery Adjustment factors are shown on  
8 Schedule C-1 of Exhibit GSR-1.

9 **Q. Why has the Company excluded market-based rate customers from the**  
10 **Energy Conservation Cost Recovery Adjustment factors?**

11 A. These customers are served either under the Special Contract Service or  
12 Flexible Gas Service, because they have alternative fuel or physical bypass  
13 options and are considered by Chesapeake to be “market-based rate”  
14 customers. Each of these customers has viable alternatives for service;  
15 therefore the negotiated and Commission-approved (in the case of Special  
16 Contract Service) rates reflect the fact that only a certain level of revenues can  
17 be charged to these customers. In fact, the Company has always excluded the  
18 Special Contract Service and tariff rate class FTS-13 customers from the  
19 ECCR recovery factors. The Commission has not taken issue with the  
20 Company’s expressed application of the factors either in the ECCR Clause  
21 proceedings or in the context of any Special Contract approval.

22 **Q. Has the Company prepared a schedule that shows the calculation of the**  
23 **Florida Division of Chesapeake Utilities proposed Energy Conservation**  
24 **Cost Recovery Adjustment (Experimental) factors for certain rate classes**

1           **on an experimental basis to be applied during billing periods from**  
2           **January 1, 2019 through December 31, 2019?**

3    A.   Yes, experimental per bill rates were approved for rate classes FTS-A, FTS-B,  
4           FTS-1, FTS-2, FTS-2.1, FTS-3 and FTS-3.1. A similar calculation was made  
5           as described above for the experimental rates; however, the projected number  
6           of bills for each rate class for the 12-month period ending December 31, 2018  
7           was utilized. The resulting Energy Conservation Cost Recovery Adjustment  
8           (Experimental) factors are shown on Schedule C-1, page 3 of 3 of Exhibit  
9           GSR-1.

10   **Q.   Does this conclude your testimony?**

11   A.   Yes.

FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS  
(FPU, CFG, INDIANTOWN, AND FT. MEADE)  
ENERGY CONSERVATION ADJUSTMENT  
SUMMARY OF COST RECOVERY CLAUSE CALCULATION  
JANUARY 2020 THROUGH DECEMBER 2020

1. TOTAL INCREMENTAL COSTS (SCHEDULE C-2, PAGE 1)	\$ 5,221,800
2. TRUE-UP (SCHEDULE C-3, PAGE 4, LINE 11)	\$ 96,411
3. TOTAL (LINE 1 AND LINE 2)	\$ 5,318,211

RATE SCHEDULE	BILLS	THERMS	CUSTOMER CHARGE	NON-GAS ENERGY CHARGE	TOTAL CUST. & ENGY CHG REVENUE	ECCR REVENUES	ECCR AS % OF TOTAL REVENUES	DOLLARS PER THERM	TAX FACTOR	CONSERV FACTOR
RESIDENTIAL (FPU, Fort Meade)	690,612	14,228,550	7,644,876	7,093,893	14,738,769	1,455,578	9.87585%	\$ 0.10230	1.00503	\$ 0.10281
COMMERCIAL SMALL (FPU, Fort Meade) (Gen Srv GS1 & GS Transportation <600)	15,372	1,842,831	413,411	751,807	1,165,218	115,075	9.87585%	\$ 0.06244	1.00503	\$ 0.06276
COMMERCIAL SMALL (FPU & Fort Meade) (Gen Srv GS2 & GS Transportation >600)	37,704	12,874,864	1,146,024	5,015,011	6,161,035	608,454	9.87585%	\$ 0.04726	1.00503	\$ 0.04750
COMM. LRG VOLUME (FPU, Fort Meade) (Large Vol & LV Transportation < > 50,000 units)	23,232	43,644,828	2,098,020	15,432,587	17,530,607	1,731,296	9.87585%	\$ 0.03967	1.00503	\$ 0.03987
NATURAL GAS VEHICLES	24	540,066	2,400	92,411	94,811	9,363	9.87585%	\$ 0.01734	1.00503	\$ 0.01743
TS1 (INDIANTOWN DIVISION)	8,040	112,884	72,360	42,710	115,070	11,364	9.87585%	\$ 0.10067	1.00503	\$ 0.10118
TS2 (INDIANTOWN DIVISION)	288	83,826	7,200	4,830	12,030	1,188	9.87585%	\$ 0.01417	1.00503	\$ 0.01424
TS3 (INDIANTOWN DIVISION)	12	3,183	720	152	872	86	9.87585%	\$ 0.02707	1.00503	\$ 0.02720
TS4 (INDIANTOWN DIVISION)	24	0	48,000	0	48,000	4,740	9.87585%	\$ 0.00000	1.00503	\$ 0.00000
CHESAPEAKE (PAGE 2)	231,000	51,028,551	7,386,390	6,597,881	13,984,271	1,381,065	SEE PAGE 2 AND 3			
TOTAL	1,006,308	124,359,583	18,819,401	35,031,282	53,850,683	5,318,211				

FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS  
(FPU, CFG, INDIANTOWN, AND FT. MEADE)  
ENERGY CONSERVATION ADJUSTMENT  
SUMMARY OF COST RECOVERY CLAUSE CALCULATION  
JANUARY 2020 THROUGH DECEMBER 2020  
CHESAPEAKE NON EXPERIMENTAL

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES COMPANY  
GSR-1  
PAGE 2 OF 26

RATE CLASS	BILLS	THERMS	CUSTOMER CHARGE REVENUES	ENERGY CHARGE	TOTAL	ESTIMATED ECCR	% SURCHARGE	CENTS PER THERM	EXPANSION FACTOR	ECCR ADJUSTMENT FACTORS
FTS-A	14,880	90,709	\$193,440	\$42,051	\$235,491	23,257	9.87585%	\$ 0.25639	1.00503	\$ 0.25768
FTS-B	28,836	302,321	\$446,958	\$149,002	\$595,960	58,856	9.87585%	\$ 0.19468	1.00503	\$ 0.19566
FTS-1	156,672	2,358,378	\$2,976,768	\$1,092,165	\$4,068,933	401,842	9.87585%	\$ 0.17039	1.00503	\$ 0.17125
FTS-2	10,404	638,070	\$353,736	\$203,927	\$557,663	55,074	9.87585%	\$ 0.08631	1.00503	\$ 0.08675
FTS-2.1	8,640	1,034,394	\$345,600	\$318,873	\$664,473	65,622	9.87585%	\$ 0.06344	1.00503	\$ 0.06376
FTS-3	3,516	1,187,057	\$379,728	\$286,104	\$665,832	65,757	9.87585%	\$ 0.05539	1.00503	\$ 0.05567
FTS-3.1	4,080	2,533,245	\$546,720	\$516,351	\$1,063,071	104,987	9.87585%	\$ 0.04144	1.00503	\$ 0.04165
FTS-4	2,568	3,210,410	\$539,280	\$606,767	\$1,146,047	113,182	9.87585%	\$ 0.03525	1.00503	\$ 0.03543
FTS-5	432	1,178,417	\$164,160	\$195,382	\$359,542	35,508	9.87585%	\$ 0.03013	1.00503	\$ 0.03028
FTS-6	324	1,830,049	\$194,400	\$277,015	\$471,415	46,556	9.87585%	\$ 0.02544	1.00503	\$ 0.02557
FTS-7	264	3,619,438	\$184,800	\$445,191	\$629,991	62,217	9.87585%	\$ 0.01719	1.00503	\$ 0.01728
FTS-8	204	5,244,294	\$244,800	\$578,131	\$822,931	81,271	9.87585%	\$ 0.01550	1.00503	\$ 0.01558
FTS-9	72	3,177,938	\$144,000	\$290,241	\$434,241	42,885	9.87585%	\$ 0.01349	1.00503	\$ 0.01356
FTS-10	36	2,471,390	\$108,000	\$205,570	\$313,570	30,968	9.87585%	\$ 0.01253	1.00503	\$ 0.01259
FTS-11	24	4,065,248	\$132,000	\$283,632	\$415,632	41,047	9.87585%	\$ 0.01010	1.00503	\$ 0.01015
FTS-12	48	18,087,193	\$432,000	\$1,107,479	\$1,539,479	152,037	9.87585%	\$ 0.00841	1.00503	\$ 0.00845
<b>TOTAL</b>	<b>231,000</b>	<b>51,028,551</b>	<b>7,386,390</b>	<b>6,597,881</b>	<b>13,984,271</b>	<b>1,381,065</b>	<b>9.87585%</b>			

FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS  
(FPU, CFG, INDIANTOWN, AND FT. MEADE)  
ENERGY CONSERVATION ADJUSTMENT  
SUMMARY OF COST RECOVERY CLAUSE CALCULATION  
JANUARY 2020 THROUGH DECEMBER 2020  
CHESAPEAKE PER BILL BASIS - Experimental

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES COMPANY  
GSR-1  
PAGE 3 OF 26

RATE CLASS	BILLS	THERMS	CUSTOMER CHARGE REVENUES	ENERGY CHARGE	TOTAL	ESTIMATED ECCR	% SURCHARGE	\$ PER BILL	EXPANSION FACTOR	ECCR ADJUSTMENT FACTORS
FTS-A	14,880	90,709	\$193,440	\$42,051	\$235,491	\$23,257	9.8758%	\$1.5630	1.00503	\$1.57
FTS-B	28,836	302,321	\$446,958	\$149,002	\$595,960	\$58,856	9.8758%	\$2.0411	1.00503	\$2.05
FTS-1	156,672	2,358,378	\$2,976,768	\$1,092,165	\$4,068,933	\$401,842	9.8758%	\$2.5649	1.00503	\$2.58
FTS-2	10,404	638,070	\$353,736	\$203,927	\$557,663	\$55,074	9.8758%	\$5.2935	1.00503	\$5.32
FTS-2.1	8,640	1,034,394	\$345,600	\$318,873	\$664,473	\$65,622	9.8758%	\$7.5952	1.00503	\$7.63
FTS-3	3,516	1,187,057	\$379,728	\$286,104	\$665,832	\$65,757	9.8758%	\$18.7021	1.00503	\$18.80
FTS-3.1	4,080	2,533,245	\$546,720	\$516,351	\$1,063,071	\$104,987	9.8758%	\$25.7322	1.00503	\$25.86
FTS-4	2,568	3,210,410	\$539,280	\$606,767	\$1,146,047	\$113,182				
FTS-5	432	1,178,417	\$164,160	\$195,382	\$359,542	\$35,508				
FTS-6	324	1,830,049	\$194,400	\$277,015	\$471,415	\$46,556				
FTS-7	264	3,619,438	\$184,800	\$445,191	\$629,991	\$62,217				
FTS-8	204	5,244,294	\$244,800	\$578,131	\$822,931	\$81,271				
FTS-9	72	3,177,938	\$144,000	\$290,241	\$434,241	\$42,885				
FTS-10	36	2,471,390	\$108,000	\$205,570	\$313,570	\$30,968				
FTS-11	24	4,065,248	\$132,000	\$283,632	\$415,632	\$41,047				
FTS-12	48	18,087,193	\$432,000	\$1,107,479	\$1,539,479	\$152,037				
<b>TOTAL</b>	<b>231,000</b>	<b>51,028,551</b>	<b>\$7,386,390</b>	<b>\$6,597,881</b>	<b>\$13,984,271</b>	<b>\$1,381,065</b>	<b>9.87585%</b>			

FLORIDA PUBLIC UTILITIES COMPANY  
 CONSOLIDATED NATURAL GAS DIVISION (FPU, CFG, INDIANTOWN & FT. MEADE)  
 ESTIMATED CONSERVATION PROGRAM COSTS BY PROGRAM BY MONTH  
 JANUARY 2020 THROUGH DECEMBER 2020

PROGRAM	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019	TOTAL
1 Full House Residential New Construction	132,750	132,750	132,750	132,750	132,750	132,750	132,750	132,750	132,750	132,750	132,750	132,750	1,593,000
2 Resid. Appliance Replacement	46,875	46,875	46,875	46,875	46,875	46,875	46,875	46,875	46,875	46,875	46,875	46,875	562,500
3 Conservation Education	7,925	7,925	7,925	7,925	7,925	7,925	7,925	7,925	7,925	7,925	7,925	7,925	95,100
4 Space Conditioning	58	58	58	58	58	58	58	58	58	58	58	58	700
5 Residential Conservation Survey	1,796	1,796	1,796	1,796	1,796	1,796	1,796	1,796	1,796	1,796	1,796	1,796	21,550
6 Residential Appliance Retention	80,521	80,521	80,521	80,521	80,521	80,521	80,521	80,521	80,521	80,521	80,521	80,521	966,250
7 Commercial Conservation Survey	413	413	413	413	413	413	413	413	413	413	413	413	4,950
8 Residential Service Reactivation	425	425	425	425	425	425	425	425	425	425	425	425	5,100
9 Common	55,875	55,875	55,875	55,875	55,875	55,875	55,875	55,875	55,875	55,875	55,875	55,875	670,500
10 Conserv. Demonstration and Development	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Commercial Small Food Service Program	50,583	50,583	50,583	50,583	50,583	50,583	50,583	50,583	50,583	50,583	50,583	50,583	607,000
12 Commercial Large Non-Food Service Program	11,738	11,738	11,738	11,738	11,738	11,738	11,738	11,738	11,738	11,738	11,738	11,738	140,850
13 Commercial Large Food Service Program	15,254	15,254	15,254	15,254	15,254	15,254	15,254	15,254	15,254	15,254	15,254	15,254	183,050
14 Commercial Large Hospitality Program	16,013	16,013	16,013	16,013	16,013	16,013	16,013	16,013	16,013	16,013	16,013	16,013	192,150
15 Commercial Large Cleaning Service Program	14,925	14,925	14,925	14,925	14,925	14,925	14,925	14,925	14,925	14,925	14,925	14,925	179,100
16 Residential Propane Distribution Program	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL ALL PROGRAMS</b>	<b>435,150</b>	<b>5,221,800</b>											

FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS (FPU, CFG, INDIANTOWN, & FT. MEADE)  
ESTIMATED CONSERVATION PROGRAM COSTS PER PROGRAM  
JANUARY 2020 THROUGH DECEMBER 2020

PROGRAM	CAPITAL INVEST	PAYROLL & BENEFITS	MATERIALS & SUPPLIES	ADVERTISE	INCENTIVES	OUTSIDE SERVICES	LEGAL	TRAVEL	VEHICLE	OTHER	TOTAL
1 Full House Residential New Construction	0	275,000	6,000	45,000	1,200,000	4,500	0	35,000	5,500	22,000	1,593,000
2 Resid. Appliance Replacement	0	45,000	500	245,000	250,000	2,000	0	18,000	1,500	500	562,500
3 Conservation Education	0	30,000	500	60,000	0	0	0	3,000	1,500	100	95,100
4 Space Conditioning	0	500	100	0	0	0	0	0	100	0	700
5 Residential Conservation Survey	0	14,000	250	2,500	0	2,000	0	2,000	700	100	21,550
6 Residential Appliance Retention	0	60,000	1,000	245,000	650,000	2,000	0	6,000	1,500	750	966,250
7 Commercial Conservation Survey	0	3,000	100	1,000	0	150	0	400	200	100	4,950
8 Residential Service Reactivation	0	1,000	100	1,000	1,200	1,500	0	100	100	100	5,100
9 Common	0	475,000	10,000	55,000	0	50,000	5,000	57,000	15,000	3,500	670,500
10 Conserv. Demonstration and Development	0	0	0	0	0	0	0	0	0	0	0
11 Commercial Small Food Service Program	0	90,000	1,000	20,000	470,000	4,000	0	10,000	3,000	9,000	607,000
12 Commercial Large Non-Food Service Program	0	8,000	150	20,000	100,000	2,500	0	1,500	500	8,200	140,850
13 Commercial Large Food Service Program	0	19,000	250	20,000	130,000	2,500	0	2,500	600	8,200	183,050
14 Commercial Large Hospitality Program	0	32,000	350	20,000	125,000	2,500	0	3,200	900	8,200	192,150
15 Commercial Large Cleaning Service Program	0	20,000	200	20,000	125,000	2,500	0	2,500	700	8,200	179,100
16 Residential Propane Distribution Program	0	0	0	0	0	0	0	0	0	0	0
<b>PROGRAM COSTS</b>	<b>0</b>	<b>1,072,500</b>	<b>20,500</b>	<b>754,500</b>	<b>3,051,200</b>	<b>76,150</b>	<b>5,000</b>	<b>141,200</b>	<b>31,800</b>	<b>68,950</b>	<b>5,221,800</b>

EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES COMPANY  
GSR-1  
PAGE 5 OF 26

FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS (FPU, CFG, INDIANTOWN, FT. MEADE)  
ESTIMATED CONSERVATION PROGRAM COSTS PER PROGRAM  
ACTUAL JANUARY 2019 THROUGH JUNE 2019; ESTIMATED JULY 2019 THROUGH DECEMBER 2019

PROGRAM	CAPITAL INVEST	PAYROLL & BENEFITS	MATERLS. & SUPPLIES	ADVERT	INCENTIVES	OUTSIDE SERVICES	VEHICLE	OTHER	LEGAL	TRAVEL	TOTAL
<b>1 Full House Residential New Construction</b>											
A. ACTUAL (JAN-JUN)	0	163,959	5,379	11,521	606,190	1,845	3,131	8,261	0	22,263	822,549
B. ESTIMATED (JUL-DEC)	0	97,500	2,250	27,500	425,000	2,250	2,635	2,000	0	12,500	571,635
C. TOTAL	0	261,459	7,629	39,021	1,031,190	4,095	5,766	10,261	0	34,763	1,394,184
<b>2 Resid. Appliance Replacement</b>											
A. ACTUAL (JAN-JUN)	0	9,922	126	110,100	100,793	684	328	154	0	1,491	223,598
B. ESTIMATED (JUL-DEC)	0	22,500	250	127,500	120,000	1,000	750	450	0	2,500	274,950
C. TOTAL	0	32,422	376	237,600	220,793	1,684	1,078	604	0	3,991	498,548
<b>3 Conservation Education</b>											
A. ACTUAL (JAN-JUN)	0	5,679	92	16,708	0	0	404	63	0	1,202	24,148
B. ESTIMATED (JUL-DEC)	0	15,000	250	30,000	0	0	750	50	0	1,750	47,800
C. TOTAL	0	20,679	342	46,708	0	0	1,154	113	0	2,952	71,948
<b>4 Space Conditioning</b>											
A. ACTUAL (JAN-JUN)	0	0	0	0	271	0	0	0	0	0	271
B. ESTIMATED (JUL-DEC)	0	250	50	250	0	0	50	0	0	50	650
C. TOTAL	0	250	50	250	271	0	50	0	0	50	921
<b>5 Residential Conservation Survey</b>											
A. ACTUAL (JAN-JUN)	0	5,511	123	1,188	0	1,738	397	79	0	895	9,931
B. ESTIMATED (JUL-DEC)	0	3,750	125	500	0	1,000	250	50	0	300	5,975
C. TOTAL	0	9,261	248	1,688	0	2,738	647	129	0	1,195	15,906
<b>6 Residential Appliance Retention</b>											
A. ACTUAL (JAN-JUN)	0	13,501	166	76,962	249,364	686	380	203	0	2,033	343,295
B. ESTIMATED (JUL-DEC)	0	30,000	500	103,000	275,000	1,000	750	600	0	3,000	413,850
C. TOTAL	0	43,501	666	179,962	524,364	1,686	1,130	803	0	5,033	757,145
<b>7 Commercial Conservation Survey</b>											
A. ACTUAL (JAN-JUN)	0	1,200	19	0	0	58	121	20	0	163	1,581
B. ESTIMATED (JUL-DEC)	0	1,500	50	500	0	0	75	50	0	100	2,275
C. TOTAL	0	2,700	69	500	0	58	196	70	0	263	3,856
<b>SUB-TOTAL</b>	<b>0</b>	<b>370,272</b>	<b>9,380</b>	<b>505,729</b>	<b>1,776,618</b>	<b>10,261</b>	<b>10,021</b>	<b>11,980</b>	<b>0</b>	<b>48,247</b>	<b>2,742,508</b>

FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS (FPU, CFG, INDIANTOWN, FT. MEADE)  
ESTIMATED CONSERVATION PROGRAM COSTS PER PROGRAM  
ACTUAL JANUARY 2019 THROUGH JUNE 2019; ESTIMATED JULY 2019 THROUGH DECEMBER 2019

PROGRAM NAME	CAPITAL INVEST	PAYROLL & BENEFITS	MATERLS. & SUPPLIES	ADVERT	INCENTIVES	OUTSIDE SERVICES	VEHICLE	OTHER	LEGAL	TRAVEL	TOTAL
SUB-TOTAL - PREVIOUS PAGE	0	370,272	9,380	505,729	1,776,618	10,261	10,021	11,980	0	48,247	2,742,508
7a Residential Propane Distribution Program											
A. ACTUAL (JAN-JUN)	0	0	0	0	0	0	0	0	0	0	0
B. ESTIMATED (JUL-DEC)	0	0	0	0	0	0	0	0	0	0	0
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0
8 Residential Service Reactivation											
A. ACTUAL (JAN-JUN)	0	154	2	0	0	585	3	2	0	0	0
B. ESTIMATED (JUL-DEC)	0	500	50	2,500	500	300	50	2	0	20	766
C. TOTAL	0	654	52	2,500	500	885	53	50	0	50	4,000
9 Common											
A. ACTUAL (JAN-JUN)	0	180,273	2,064	4,008	0	11,424	5,398	7,819	1,988	70	4,766
B. ESTIMATED (JUL-DEC)	0	237,500	5,000	17,500	0	20,000	8,500	14,000	2,500	21,320	234,294
C. TOTAL	0	417,773	7,064	21,508	0	31,424	13,898	21,819	4,488	25,000	330,000
10 Conserv. Demonstration and Development											
A. ACTUAL (JAN-JUN)	0	0	0	0	0	0	0	0	0	0	0
B. ESTIMATED (JUL-DEC)	0	0	0	0	0	0	0	0	0	0	0
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0
11 Commercial Small Food Service Program											
A. ACTUAL (JAN-JUN)	0	33,045	427	7,435	208,749	688	1,619	5,561	0	5,546	263,070
B. ESTIMATED (JUL-DEC)	0	42,500	400	7,500	225,000	2,000	1,000	1,000	0	3,750	283,150
C. TOTAL	0	75,545	827	14,935	433,749	2,688	2,619	6,561	0	9,296	546,220
12 Commercial Large Non-Food Service Program											
A. ACTUAL (JAN-JUN)	0	5,399	71	7,435	24,261	682	342	5,231	0	1,206	44,627
B. ESTIMATED (JUL-DEC)	0	3,000	50	7,500	62,500	1,250	75	50	0	250	74,675
C. TOTAL	0	8,399	121	14,935	86,761	1,932	417	5,281	0	1,456	119,302
13 Commercial Large Food Service Program											
A. ACTUAL (JAN-JUN)	0	6,961	90	7,435	84,156	682	349	5,262	0	1,181	106,116
B. ESTIMATED (JUL-DEC)	0	8,500	75	7,500	40,000	1,250	250	250	0	750	58,575
C. TOTAL	0	15,461	165	14,935	124,156	1,932	599	5,512	0	1,931	164,691
14 Commercial Large Hospitality Program											
A. ACTUAL (JAN-JUL)	0	9,534	123	7,435	51,011	683	414	5,302	0	1,396	75,898
B. ESTIMATED (AUG-DEC)	0	15,000	150	7,500	37,500	1,250	350	500	0	1,400	63,650
C. TOTAL	0	24,534	273	14,935	88,511	1,933	764	5,802	0	2,796	139,548
15 Commercial Large Cleaning Service Program											
A. ACTUAL (JAN-JUL)	0	6,583	85	7,435	22,666	682	321	5,260	0	1,086	44,118
B. ESTIMATED (AUG-DEC)	0	8,500	75	7,500	35,000	1,250	250	250	0	750	58,575
C. TOTAL	0	15,083	160	14,935	57,666	1,932	571	5,510	0	1,836	97,693
TOTAL	0	927,721	18,042	604,412	2,567,961	52,987	28,942	62,517	4,488	111,952	4,379,022

FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS (FPU, CFG, INDIANTOWN, FT. MEADE)  
CONSERVATION PROGRAM COSTS BY PROGRAM  
ACTUAL/ESTIMATED  
ACTUAL JANUARY 2019 THROUGH JUNE 2019; ESTIMATED JULY 2019 THROUGH DECEMBER 2019

PROGRAM NAME	----- ACTUAL -----						--- PROJECTION ---						TOTAL
	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019	
Full House Residential New Construction	116,935	103,174	285,526	152,068	80,280	84,566							
Resid. Appliance Replacement	41,333	20,009	63,266	40,988	34,217	23,785	95,273	95,273	95,273	95,273	95,273	95,270	1,394,184
Conservation Education	6,145	3,993	5,617	2,587	3,112	2,694	45,825	45,825	45,825	45,825	45,825	45,825	498,548
Space Conditioning	271	0	0	0	0	0	7,967	7,967	7,967	7,967	7,967	7,965	71,948
Residential Conservation Survey	2,923	3,077	1,663	1,109	982	177	108	108	108	108	108	110	921
Residential Appliance Retention	59,840	49,734	76,607	65,415	58,260	33,439	996	996	996	996	996	995	15,906
Commercial Conservation Survey	10	10	927	10	537	87	68,975	68,975	68,975	68,975	68,975	68,975	757,145
Residential Service Reactivation	164	166	101	107	118	110	379	379	379	379	379	380	3,856
Common	66,492	51,403	20,746	41,751	30,084	23,818	667	667	667	667	667	665	4,766
Conserv. Demonstration and Development	0	0	0	0	0	0	55,000	55,000	55,000	55,000	55,000	55,000	564,294
Commercial Small Food Service Program	11,854	42,443	69,761	23,413	60,307	55,292	0	0	0	0	0	0	0
Commercial Large Non-Food Service Program	6,174	4,123	14,769	10,911	5,654	2,996	47,192	47,192	47,192	47,192	47,192	47,190	546,220
Commercial Large Food Service Program	14,021	27,259	12,873	8,729	22,607	20,627	12,446	12,446	12,446	12,446	12,446	12,445	119,302
Commercial Large Hospitality Program	40,677	4,283	9,522	5,766	12,817	2,833	9,763	9,763	9,763	9,763	9,763	9,760	164,691
Commercial Large Cleaning Service Program	(14,755)	2,904	5,765	14,134	19,888	16,182	10,608	10,608	10,608	10,608	10,610	10,610	139,548
Residential Propane Distribution Program	0	0	0	0	0	0	8,929	8,929	8,929	8,929	8,930	8,930	97,693
TOTAL ALL PROGRAMS	352,084	312,578	567,143	366,988	328,863	266,606	364,128	364,128	364,128	364,128	364,128	364,120	4,379,022

FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS (FPU, CFG, INDIANTOWN, FT. MEADE)  
ENERGY CONSERVATION ADJUSTMENT  
ACTUAL JANUARY 2019 THROUGH JUNE 2019; ESTIMATED JULY 2019 THROUGH DECEMBER 2019

	-----ACTUAL-----		-----ACTUAL-----		-----ACTUAL-----		-PROJECTION-		-PROJECTION-		-PROJECTION-		-PROJECTION-		TOTAL
	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019			
CONSERVATION REVS.															
RCS AUDIT FEES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
a. OTHER PROG. REV.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
b.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONSERV. ADJ REV. (NET OF REV. TAXES)	(422,682)	(381,803)	(338,139)	(330,040)	(298,615)	(260,545)	(312,419)	(312,419)	(312,419)	(312,419)	(312,419)	(312,419)	(312,419)	(312,419)	(3,906,340)
TOTAL REVENUES	(422,682)	(381,803)	(338,139)	(330,040)	(298,615)	(260,545)	(312,419)	(312,419)	(312,419)	(312,419)	(312,419)	(312,419)	(312,419)	(312,419)	(3,906,340)
PRIOR PERIOD TRUE-UP NOT APPLIC. TO PERIOD	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(30,964)	(371,568)
CONSERVATION REVS. APPLIC. TO PERIOD	(453,646)	(412,767)	(369,103)	(361,004)	(329,579)	(291,509)	(343,383)	(343,383)	(343,383)	(343,383)	(343,383)	(343,383)	(343,383)	(343,383)	(4,277,908)
CONSERVATION EXPS. (FORM C-3, PAGE 3)	352,084	312,578	567,143	366,988	328,863	266,606	364,128	364,128	364,128	364,128	364,128	364,128	364,128	364,128	4,379,022
TRUE-UP THIS PERIOD	(101,562)	(100,189)	198,040	5,984	(716)	(24,903)	20,745	20,745	20,745	20,745	20,745	20,745	20,737	20,737	101,115
INTEREST THIS PERIOD (C-3, PAGE 5)	(834)	(963)	(806)	(539)	(471)	(423)	(356)	(258)	(161)	(63)	36	134			(4,704)
TRUE-UP & INT. BEG. OF MONTH	(371,568)	(443,000)	(513,188)	(284,990)	(248,581)	(218,804)	(213,166)	(161,813)	(110,363)	(58,815)	(7,169)	44,576			(371,568)
PRIOR TRUE-UP COLLECT. (REFUND.)	30,964	30,964	30,964	30,964	30,964	30,964	30,964	30,964	30,964	30,964	30,964	30,964	30,964	30,964	371,568
Audit Adj. - Prior period															
END OF PERIOD TOTAL NET TRUE-UP	(443,000)	(513,188)	(284,990)	(248,581)	(218,804)	(213,166)	(161,813)	(110,363)	(58,815)	(7,169)	44,576	96,411			96,411

FLORIDA PUBLIC UTILITIES COMPANY  
 CONSOLIDATED NATURAL GAS (FPU, CFG, INDIANTOWN, FT. MEADE)  
 CALCULATION OF TRUE-UP AND INTEREST PROVISION  
 ACTUAL JANUARY 2019 THROUGH JUNE 2019; ESTIMATED JULY 2019 THROUGH DECEMBER 2019

	-----ACTUAL-----					-----ACTUAL-----					---PROJECTION---			TOTAL
	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019		
INTEREST PROVISION														
BEGINNING TRUE-UP	(371,568)	(443,000)	(513,188)	(284,990)	(248,581)	(218,804)	(213,166)	(161,813)	(110,363)	(58,815)	(7,169)	44,576		
END. T-UP BEFORE INT.	(442,166)	(512,225)	(284,184)	(248,042)	(218,333)	(212,743)	(161,457)	(110,105)	(58,654)	(7,106)	44,540	96,277		
TOT. BEG. & END. T-UP	(813,734)	(955,225)	(797,372)	(533,032)	(466,914)	(431,547)	(374,623)	(271,918)	(169,016)	(65,921)	37,371	140,852		
AVERAGE TRUE-UP	(406,867)	(477,613)	(398,686)	(266,516)	(233,457)	(215,774)	(187,312)	(135,959)	(84,508)	(32,960)	18,685	70,426		
INT. RATE-FIRST DAY OF REPORTING BUS. MTH	2.50%	2.42%	2.42%	2.43%	2.42%	2.42%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%		
INT. RATE-FIRST DAY OF SUBSEQUENT BUS. MTH	2.42%	2.42%	2.43%	2.42%	2.42%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%		
TOTAL	4.92%	4.84%	4.85%	4.85%	4.84%	4.70%	4.56%	4.56%	4.56%	4.56%	4.56%	4.56%		
AVG INTEREST RATE	2.46%	2.42%	2.43%	2.43%	2.42%	2.35%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%		
MONTHLY AVG. RATE	0.21%	0.20%	0.20%	0.20%	0.20%	0.20%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%		
INTEREST PROVISION	(\$834)	(\$963)	(\$806)	(\$539)	(\$471)	(\$423)	(\$356)	(\$258)	(\$161)	(\$63)	\$36	\$134	(\$4,704)	

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND SUMMARY**

**SCHEDULE C-5  
PAGE 1 OF 16**

**PROGRAM:**

1. Full House Residential New Construction Program
2. Residential Appliance Replacement Program
3. Residential Appliance Retention Program
4. Residential Service Reactivation Program
5. Residential Conservation Service Program
6. Commercial Conservation Service Program
7. Conservation Education Program
8. Space Conditioning Program
9. Conservation Demonstration & Development
10. Commercial Small Food Service Program
11. Commercial Non-Food Service Program
12. Commercial Large Food Service Program
13. Commercial Hospitality and Lodging Program
14. Commercial Cleaning Service and Laundromat Program
15. Residential Propane Distribution Program

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 11 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 2 OF 16**

**PROGRAM TITLE:**

Full House Residential New Construction Program

**PROGRAM DESCRIPTION:**

This program is designed to increase the overall energy efficiency in the residential single- and multi-family new construction market by promoting energy-efficient natural gas appliances. The program offers builders and developers incentives in the form of cash allowances to defray the additional costs associated with the installation of natural gas supply lines, house piping, venting and natural gas appliances.

**PROGRAM ALLOWANCES:**

Furnace or Hydro heater	\$500
Tank Water Heater	\$350
High Eff. Tank Water Heater	\$400
Range	\$150
Dryer	\$100
Tankless	\$550

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 3200 new single- and multi-family home appliances will be connected to its natural gas system.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January 2020 to December 2020, the Company estimates expenses of \$1,593,000.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 12 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 3 OF 16**

**PROGRAM TITLE:**

Residential Appliance Replacement Program

**PROGRAM DESCRIPTION:**

This program is designed to encourage the replacement of inefficient non-natural gas residential appliances with energy-efficient natural gas appliances. The program offers incentives in the form of cash allowances to residential consumers to assist in defraying the additional costs associated with the installation of efficient natural gas appliances.

**PROGRAM ALLOWANCES:**

Furnace or Hydro heater	\$725
Tank Water Heater	\$500
High Eff. Tank Water Heater	\$550
Range	\$200
Dryer	\$150
Tankless	\$675

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 500 natural gas appliances will be connected (limited to furnaces or hydro heaters, water heaters, ranges and dryers) to its natural gas system.

**PROGRAM EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$562,500.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 13 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 4 OF 16**

**PROGRAM TITLE:**

Residential Appliance Retention Program

**PROGRAM DESCRIPTION:**

This program is designed to promote the retention of energy-efficient appliances for current natural gas customers. The program offers allowances to customers to assist in defraying the cost of purchasing and installing more expensive energy-efficient appliances.

**PROGRAM ALLOWANCES:**

Furnace or Hydro heater	\$500
Tank Water Heater	\$350
High Eff. Tank Water Heater	\$400
Range	\$100
Dryer	\$100
Tankless	\$550

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 1500 appliances will be connected to its system.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$966,250.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 14 OF 26**

**PROGRAM TITLE:**

Residential Service Reactivation Program

**PROGRAM DESCRIPTION:**

This program is designed to encourage the reactivation of existing residential service lines that are scheduled to be cut-off and capped. The program offers incentives in the form of cash allowances to residential consumers to assist in defraying the additional costs associated with the purchase and the installation of energy-efficient natural gas appliances.

**PROGRAM ALLOWANCES:**

Service Reactivation (the installation of a water heater is required) \$350

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 5 services will be reactivated with water heaters on its natural gas system.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$5,100.

**PROGRAM TITLE:**

Residential Conservation Survey Program

**PROGRAM DESCRIPTION:**

This program is designed to assist residential customers in conserving all forms of energy consumption. Certified company representatives or private contractors will conduct energy surveys. This service will be provided based on customer requests and scheduling availability.

**PROGRAM ALLOWANCES:**

Not applicable.

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 40 residential customers will participate in this program.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$21,550.

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 7 OF 16**

**PROGRAM TITLE:**

Commercial Conservation Survey Program

**PROGRAM DESCRIPTION:**

This program is designed to assist commercial customers in conserving all forms of energy consumption. Certified company representatives or private contractors will conduct energy surveys. This service will be provided based on customer requests and scheduling availability.

**PROGRAM ALLOWANCES:**

Not applicable.

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 8 commercial customers will participate in this program.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$4,950.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 17 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 8 OF 16**

**PROGRAM TITLE:**

Conservation Education Program

**PROGRAM DESCRIPTION:**

The purpose of this program is to teach adult and young people about conservation measures designed to reduce energy consumption and consequently reduce their utility bills.

**PROGRAM ALLOWANCES:**

Not applicable.

**PROGRAM PROJECTONS:**

For the twelve-month period of January to December 2020, the Company estimates that it will participate in 40 community sponsorships and industry events. Conservation education materials such as signage, ad placement and promotional giveaways will be displayed or distributed to event attendees. At certain events, an energy conservation representative will provide live presentations and energy conservation training.

**PROGRAM FISCAL EXPENDITURES:**

During this twelve-month period of January to December 2020, the Company estimates expenses of \$95,100.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 18 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 9 OF 16**

**PROGRAM TITLE:**

Space Conditioning Program

**PROGRAM DESCRIPTION:**

This program is designed to convert on-main customers from electric space conditioning equipment to energy-efficient natural gas space conditioning equipment. The program provides an allowance to qualifying participants to compensate for higher initial costs of natural gas space conditioning equipment and the associated installation costs. This program also reduces summer as well as winter peak demand and contributes to the conservation of kwh/kwd consumption.

**PROGRAM ALLOWANCES:**

Residential	\$1200 (For Robur model or equivalent unit)
Non-Residential	\$ 50 per ton

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 1 customer projects will utilize this program.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$700.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 19 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 10 OF 16**

**PROGRAM TITLE:**

Conservation Demonstration and Development Program

**PROGRAM DESCRIPTION:**

The primary purpose of the Conservation Demonstration and Development (CDD) program is to pursue research, development, and demonstration projects that are designed to promote energy efficiency and conservation. The CDD program is meant to be an umbrella program for the identification, development, demonstration, and evaluation of promising new end-use technologies. The CDD program does not focus on any specific end-use technology but, instead, will address a wide variety of energy applications. This program is slated to end on December 31<sup>st</sup>, 2017.

**PROGRAM ALLOWANCES:**

Not applicable.

**PROGRAM PROJECTIONS:**

This program ended on December 31<sup>st</sup>, 2017 thus there are no program projections for 2020.

**PROGRAM FISCAL EXPENDITURES:**

This program ended on December 31<sup>st</sup>, 2017 thus there are no program projections for 2020.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 20 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 11 OF 16**

**PROGRAM TITLE:**

Commercial Small Food Service Program

**PROGRAM DESCRIPTION:**

This program is designed to encourage owners and operators of small food service restaurants to purchase energy efficient natural gas appliances through the offering of commercial appliance rebates. Commercial food service customers are defined as establishments primarily engaged in the retail sale of prepared food and drinks for on-premise or immediate consumption with an annual consumption of less than 9,000 therms. The rebates offered within this program are limited to the specific appliance types and rebate categories depicted below.

**PROGRAM ALLOWANCES:**

	50% of the purchase and installation cost up to the amounts below.	100% of the purchase and installation cost up to the amounts below.	50% of the purchase and installation cost up to the amounts below.
Appliance	New Construction	Replacement	Retention
Water Heater	\$1,000	\$1,500	\$1,000
Tankless Water Heater	\$2,000	\$2,500	\$2,000
Fryer	\$3,000	\$3,000	\$3,000
Range	\$1,000	\$1,500	\$1,000

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020 the Company estimates that 200 appliances will be connected to its natural gas system.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$607,000.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 21 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 12 OF 16**

**PROGRAM TITLE:**

Commercial Large Non-Food Service Program

**PROGRAM DESCRIPTION:**

This program is designed to encourage owners and operators of commercial buildings to purchase energy efficient natural gas appliances through the offering of commercial appliance rebates. Commercial non-food service customers are defined as establishments that are not associated with the Food Service, Hospitality, or Cleaning industries and whose annual consumption is greater than 4,000 therms. The rebates offered within this program are limited to the specific appliance types and rebate categories depicted below.

**PROGRAM ALLOWANCES:**

	50% of the purchase and installation cost up to the amounts below.	100% of the purchase and installation cost up to the amounts below.	50% of the purchase and installation cost up to the amounts below.
Appliance	New Construction	Replacement	Retention
Water Heater	\$1,500	\$2,000	\$1,500
Tankless Water Heater	\$2,000	\$2,500	\$2,000

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 40 appliances will be connected to its natural gas system.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$140,850.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 22 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 13 OF 16**

**PROGRAM TITLE:**

Commercial Large Food Service Program

**PROGRAM DESCRIPTION:**

This program is designed to encourage owners and operators of large food service restaurants to purchase energy efficient natural gas appliances through the offering of commercial appliance rebates. Commercial large food service customers are defined as establishments primarily engaged in the retail sale of prepared food and drinks for on-premise or immediate consumption with an annual consumption of greater than 9,000 therms. The rebates offered within this program are limited to the specific appliance types and rebate categories depicted below.

**PROGRAM ALLOWANCES:**

	50% of the purchase and installation cost up to the amounts below.	100% of the purchase and installation cost up to the amounts below.	50% of the purchase and installation cost up to the amounts below.
<b>Appliance</b>	<b>New Construction</b>	<b>Replacement</b>	<b>Retention</b>
Water Heater	\$1,500	\$2,000	\$1,500
Tankless Water Heater	\$2,000	\$2,500	\$2,000
Fryer	\$3,000	\$3,000	\$3,000
Range	\$1,500	\$1,500	\$1,500

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 60 appliances will be connected to its natural gas system.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$183,050.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 23 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATED NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 14 OF 16**

**PROGRAM TITLE:**

Commercial Hospitality and Lodging Program

**PROGRAM DESCRIPTION:**

This program is designed to encourage owners and operators of hospitality & lodging facilities to purchase energy efficient natural gas appliances through the offering of commercial appliance rebates. Commercial hospitality and lodging customers are defined as establishments known to the public as hotels, motor hotels, motels or tourist courts, primarily engaged in providing lodging, or lodging and meals, for the general public. The rebates offered within this program are limited to the specific appliance types and rebate categories depicted below.

**PROGRAM ALLOWANCES:**

	50% of the purchase and installation cost up to the amounts below.	100% of the purchase and installation cost up to the amounts below.	50% of the purchase and installation cost up to the amounts below.
<b>Appliance</b>	<b>New Construction</b>	<b>Replacement</b>	<b>Retention</b>
Water Heater	\$1,500	\$2,000	\$1,500
Tankless Water Heater	\$2,000	\$2,500	\$2,000
Fryer	\$3,000	\$3,000	\$3,000
Range	\$1,500	\$1,500	\$1,500
Dryer	\$1,500	\$1,500	\$1,500

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 30 appliances will be connected to its natural gas system.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$192,150.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 24 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATES NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 15 OF 16**

**PROGRAM TITLE:**

Commercial Cleaning Service and Laundromat Program

**PROGRAM DESCRIPTION:**

This program is designed to encourage owners and operators of cleaning service & Laundromat facilities to purchase energy efficient natural gas appliances through the offering of commercial appliance rebates. Commercial cleaning service and laundromat customers are defined as establishments primarily engaged in operating mechanical laundries with steam or other power or in supplying laundered work clothing on a contract or fee basis. The rebates offered within this program are limited to the specific appliance types and rebate categories depicted below.

**PROGRAM ALLOWANCES:**

	50% of the purchase and installation cost up to the amounts below.	100% of the purchase and installation cost up to the amounts below.	50% of the purchase and installation cost up to the amounts below.
Appliance	New Construction	Replacement	Retention
Water Heater	\$1,500	\$2,000	\$1,500
Tankless Water Heater	\$2,000	\$2,500	\$2,000
Dryer	\$1,500	\$1,500	\$1,500

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that 60 appliance will be connected to its natural gas system.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$179,100.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 25 OF 26**

**FLORIDA PUBLIC UTILITIES COMPANY  
CONSOLIDATES NATURAL GAS DIVISION  
PROGRAM DESCRIPTION AND PROGRESS**

**SCHEDULE C-5  
PAGE 16 OF 16**

**PROGRAM TITLE:**

Residential Propane Distribution Program

**PROGRAM DESCRIPTION:**

The program is designed to promote the use of "gas" within developments that are built beyond the economic extension of the Company's existing natural gas infrastructure. The concept of installing an underground propane system, which includes distribution mains, service laterals and meter sets that are capable of supplying either propane or natural gas, is a viable method of encouraging installation of "gas" appliances in the residential subdivision at the time of construction. This program is designed to provide incentives when natural gas becomes available to the development and the propane appliances are replaced with natural gas appliances.

**PROGRAM ALLOWANCES:**

Furnace or Hydro heater	\$525
Water Heater	\$275
Range	\$75
Dryer	\$75

**PROGRAM PROJECTIONS:**

For the twelve-month period of January to December 2020, the Company estimates that no appliances will be connected to its natural gas system using this program.

**PROGRAM FISCAL EXPENDITURES:**

During the twelve-month period of January to December 2020, the Company estimates expenses of \$0.

**EXHIBIT NO. \_\_\_\_\_  
DOCKET NO. 20190004-GU  
FLORIDA PUBLIC UTILITIES CO.  
(GSR-1)  
PAGE 26 OF 26**