

Exhibit A

To

**Florida Public Utilities Company
Energy Conservation Program Petition
Revised July 10, 2006**

**Ratepayer Impact Measurement Test Results
Participants Test Results**

For

**Residential New Construction Program
Residential Appliance Replacement Program
Residential Appliance Retention Program**

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Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential New Construction Program
Summary of RIM Test and Participants Test Results**

	<u>Proposed Allowance</u>	<u>Participants Test</u>	<u>RIM Test</u>
Gas Storage Tank Water Heating	\$350	1.41	1.08
Gas Tankless Water Heating	\$450	1.33	1.03
Gas Heating	\$350	1.09	1.09
Gas Clothes Drying	\$100	1.29	1.09
Gas Cooking	\$100	1.26	1.07

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential New Construction Program
RIM Test and Participants Test Results**

For

Storage Tank Water Heating

Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Cost Effective Results (Revised July 10, 2006)

Appliance Type
Storage Tank Water Heating

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1				Table 2				Table 3	Table 4		
1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$536	\$350	\$36	\$922	\$259	(\$314)	\$400	\$36	\$206	\$107	\$41	\$734
2007	2	\$543	0	\$37	\$580	0	0	0	\$37	\$211	\$107	\$41	\$395
2008	3	\$550	0	\$38	\$588	0	0	0	\$38	\$216	\$107	\$41	\$401
2009	4	\$557	0	\$39	\$596	0	0	0	\$39	\$221	\$107	\$41	\$407
2010	5	\$564	0	\$40	\$604	0	0	0	\$40	\$226	\$107	\$41	\$413
2011	6	\$571	0	\$41	\$612	0	0	0	\$41	\$232	\$107	\$41	\$419
2012	7	\$578	0	\$42	\$620	0	0	0	\$42	\$237	\$107	\$41	\$426
2013	8	\$585	0	\$43	\$628	0	0	0	\$43	\$243	\$107	\$41	\$432
2014	9	\$592	0	\$44	\$636	0	0	0	\$44	\$249	\$107	\$41	\$439
2015	10	\$599	0	\$45	\$644	0	0	0	\$45	\$255	\$107	\$41	\$446
2016	11	\$607	0	\$46	\$652	0	0	0	\$46	\$261	\$107	\$41	\$453
2017	12	\$614	0	\$47	\$660	0	0	0	\$47	\$267	\$107	\$41	\$461
2018	13	\$621	0	\$48	\$669	0	0	0	\$48	\$273	\$107	\$41	\$468
2019	14	\$628	350	\$49	\$1,027	361	(438)	348	\$49	\$280	\$107	\$41	\$748
2020	15	\$635	0	\$50	\$685	0	0	0	\$50	\$287	\$107	\$41	\$484
2021	16	\$642	0	\$51	\$693	0	0	0	\$51	\$294	\$107	\$41	\$492
2022	17	\$649	0	\$53	\$702	0	0	0	\$53	\$301	\$107	\$41	\$500
2023	18	\$656	0	\$54	\$710	0	0	0	\$54	\$308	\$107	\$41	\$509
2024	19	\$663	0	\$55	\$718	0	0	0	\$55	\$315	\$107	\$41	\$517
2025	20	\$670	0	\$56	\$727	0	0	0	\$56	\$323	\$107	\$41	\$526

Present Value of Benefits \$6,613

Present Value of Costs \$4,684

Benefit/Cost Ratio	1.41
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Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data (Revised July 10, 2006)

Appliance Type
Storage Tank Water Heating

O&M expense	2.4%	PGA Gas Rates	2.4%	Customer Charge	0%
Electric rates (fu)	2.4%	PGA Base Rate	0.0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	4,773	10%	\$536
2007	\$0.1034	4,773	10%	\$543
2008	\$0.1047	4,773	10%	\$550
2009	\$0.1061	4,773	10%	\$557
2010	\$0.1074	4,773	10%	\$564
2011	\$0.1088	4,773	10%	\$571
2012	\$0.1101	4,773	10%	\$578
2013	\$0.1115	4,773	10%	\$585
2014	\$0.1128	4,773	10%	\$592
2015	\$0.1142	4,773	10%	\$599
2016	\$0.1155	4,773	10%	\$607
2017	\$0.1169	4,773	10%	\$614
2018	\$0.1182	4,773	10%	\$621
2019	\$0.1196	4,773	10%	\$628
2020	\$0.1209	4,773	10%	\$635
2021	\$0.1223	4,773	10%	\$642
2022	\$0.1236	4,773	10%	\$649
2023	\$0.1250	4,773	10%	\$656
2024	\$0.1263	4,773	10%	\$663
2025	\$0.1277	4,773	10%	\$670

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$1.1000	170	10%	\$206
2007	\$1.1264	170	10%	\$211
2008	\$1.1534	170	10%	\$216
2009	\$1.1811	170	10%	\$221
2010	\$1.2095	170	10%	\$226
2011	\$1.2385	170	10%	\$232
2012	\$1.2682	170	10%	\$237
2013	\$1.2987	170	10%	\$243
2014	\$1.3298	170	10%	\$249
2015	\$1.3617	170	10%	\$255
2016	\$1.3944	170	10%	\$261
2017	\$1.4279	170	10%	\$267
2018	\$1.4622	170	10%	\$273
2019	\$1.4972	170	10%	\$280
2020	\$1.5332	170	10%	\$287
2021	\$1.5700	170	10%	\$294
2022	\$1.6077	170	10%	\$301
2023	\$1.6462	170	10%	\$308
2024	\$1.6857	170	10%	\$315
2025	\$1.7262	170	10%	\$323

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	170	10%	\$107
2007	\$0.5699	170	10%	\$107
2008	\$0.5699	170	10%	\$107
2009	\$0.5699	170	10%	\$107
2010	\$0.5699	170	10%	\$107
2011	\$0.5699	170	10%	\$107
2012	\$0.5699	170	10%	\$107
2013	\$0.5699	170	10%	\$107
2014	\$0.5699	170	10%	\$107
2015	\$0.5699	170	10%	\$107
2016	\$0.5699	170	10%	\$107
2017	\$0.5699	170	10%	\$107
2018	\$0.5699	170	10%	\$107
2019	\$0.5699	170	10%	\$107
2020	\$0.5699	170	10%	\$107
2021	\$0.5699	170	10%	\$107
2022	\$0.5699	170	10%	\$107
2023	\$0.5699	170	10%	\$107
2024	\$0.5699	170	10%	\$107
2025	\$0.5699	170	10%	\$107

Gas Customer Charge - Table 4							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2007	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2008	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2009	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2010	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2011	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2012	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2013	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2014	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2015	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2016	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2017	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2018	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2019	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2020	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2021	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2022	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2023	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2024	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2025	\$8.00	\$96.00	170	443	38.37%	10%	\$41

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Storage Tank Water Heating

	Incremental Revenue Energy charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue Gas	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4		
	1	2	3	4	2 thru 4	6	7	8	9
2006	\$97	\$187	\$37	\$321	\$187	\$18	\$36	\$353	\$594
2007	\$97	\$191	\$37	\$325	\$191	\$17	\$37	\$3	\$249
2008	\$97	\$196	\$37	\$330	\$196	\$17	\$38	\$3	\$254
2009	\$97	\$201	\$37	\$335	\$201	\$16	\$39	\$3	\$259
2010	\$97	\$206	\$37	\$339	\$206	\$16	\$40	\$3	\$264
2011	\$97	\$211	\$37	\$344	\$211	\$15	\$41	\$3	\$270
2012	\$97	\$216	\$37	\$349	\$216	\$15	\$42	\$3	\$275
2013	\$97	\$221	\$37	\$354	\$221	\$14	\$43	\$3	\$281
2014	\$97	\$226	\$37	\$360	\$226	\$14	\$44	\$3	\$287
2015	\$97	\$231	\$37	\$365	\$231	\$13	\$45	\$3	\$293
2016	\$97	\$237	\$37	\$371	\$237	\$13	\$46	\$3	\$299
2017	\$97	\$243	\$37	\$376	\$243	\$13	\$47	\$3	\$306
2018	\$97	\$249	\$37	\$382	\$249	\$12	\$48	\$3	\$312
2019	\$97	\$255	\$37	\$388	\$255	\$12	\$49	\$353	\$669
2020	\$97	\$261	\$37	\$394	\$261	\$11	\$51	\$3	\$326
2021	\$97	\$267	\$37	\$401	\$267	\$11	\$52	\$3	\$333
2022	\$97	\$273	\$37	\$407	\$273	\$11	\$53	\$3	\$340
2023	\$97	\$280	\$37	\$414	\$280	\$10	\$54	\$3	\$348
2024	\$97	\$287	\$37	\$420	\$287	\$10	\$56	\$3	\$356
2025	\$97	\$293	\$37	\$427	\$293	\$10	\$57	\$3	\$363

Present Value
of Benefits

\$3,501

Present Value
of Costs

\$3,228

Benefit/Cost
Ratio

1.08

Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Calculated Data (Revised July 10, 2006)

Appliance Type	
Storage Tank Water Heating	

PGA Rate Escalator 2.4%
 Base Rate Escalator 0.0%
 Electric Rate escalator 2.4%

Depreciation Rate - Supply Main 2.60%
 Depreciation Rate - Development Main 2.60%
 Depreciation Rate - Service Line 3.20%
 Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
 Customer Charge - Electric 0%
 Inflation factor 2.4%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	170	\$0.5699	\$97
2007	170	\$0.5699	\$97
2008	170	\$0.5699	\$97
2009	170	\$0.5699	\$97
2010	170	\$0.5699	\$97
2011	170	\$0.5699	\$97
2012	170	\$0.5699	\$97
2013	170	\$0.5699	\$97
2014	170	\$0.5699	\$97
2015	170	\$0.5699	\$97
2016	170	\$0.5699	\$97
2017	170	\$0.5699	\$97
2018	170	\$0.5699	\$97
2019	170	\$0.5699	\$97
2020	170	\$0.5699	\$97
2021	170	\$0.5699	\$97
2022	170	\$0.5699	\$97
2023	170	\$0.5699	\$97
2024	170	\$0.5699	\$97
2025	170	\$0.5699	\$97

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	170	\$1.1000	\$187
2007	170	\$1.1264	\$191
2008	170	\$1.1534	\$196
2009	170	\$1.1811	\$201
2010	170	\$1.2096	\$206
2011	170	\$1.2385	\$211
2012	170	\$1.2682	\$216
2013	170	\$1.2987	\$221
2014	170	\$1.3296	\$226
2015	170	\$1.3617	\$231
2016	170	\$1.3944	\$237
2017	170	\$1.4279	\$243
2018	170	\$1.4622	\$249
2019	170	\$1.4972	\$255
2020	170	\$1.5332	\$261
2021	170	\$1.5700	\$267
2022	170	\$1.6077	\$273
2023	170	\$1.6462	\$280
2024	170	\$1.6857	\$287
2025	170	\$1.7262	\$293

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg
2006	\$8.00	\$96.00	38.37%	\$37
2007	\$8.00	\$96.00	38.37%	\$37
2008	\$8.00	\$96.00	38.37%	\$37
2009	\$8.00	\$96.00	38.37%	\$37
2010	\$8.00	\$96.00	38.37%	\$37
2011	\$8.00	\$96.00	38.37%	\$37
2012	\$8.00	\$96.00	38.37%	\$37
2013	\$8.00	\$96.00	38.37%	\$37
2014	\$8.00	\$96.00	38.37%	\$37
2015	\$8.00	\$96.00	38.37%	\$37
2016	\$8.00	\$96.00	38.37%	\$37
2017	\$8.00	\$96.00	38.37%	\$37
2018	\$8.00	\$96.00	38.37%	\$37
2019	\$8.00	\$96.00	38.37%	\$37
2020	\$8.00	\$96.00	38.37%	\$37
2021	\$8.00	\$96.00	38.37%	\$37
2022	\$8.00	\$96.00	38.37%	\$37
2023	\$8.00	\$96.00	38.37%	\$37
2024	\$8.00	\$96.00	38.37%	\$37
2025	\$8.00	\$96.00	38.37%	\$37

Table 3

Investment Carrying Costs								
1	2	3	4	5	6	7	6*7*8	
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total	Carrying Chg Mains & Svc
2006	\$50	\$140	\$294	\$88	\$572	8.00%	38.37%	\$17
2007	\$49	\$136	\$285	\$85	\$555	8.00%	38.37%	\$17
2008	\$48	\$132	\$276	\$82	\$538	8.00%	38.37%	\$17
2009	\$47	\$129	\$267	\$79	\$522	8.00%	38.37%	\$16
2010	\$46	\$126	\$258	\$76	\$506	8.00%	38.37%	\$16
2011	\$45	\$123	\$250	\$73	\$491	8.00%	38.37%	\$15
2012	\$44	\$120	\$242	\$71	\$477	8.00%	38.37%	\$15
2013	\$43	\$117	\$234	\$69	\$463	8.00%	38.37%	\$14
2014	\$42	\$114	\$227	\$67	\$450	8.00%	38.37%	\$14
2015	\$41	\$111	\$220	\$65	\$437	8.00%	38.37%	\$13
2016	\$40	\$108	\$213	\$63	\$424	8.00%	38.37%	\$13
2017	\$39	\$105	\$206	\$61	\$411	8.00%	38.37%	\$13
2018	\$38	\$102	\$199	\$59	\$398	8.00%	38.37%	\$12
2019	\$37	\$99	\$193	\$57	\$386	8.00%	38.37%	\$12
2020	\$36	\$96	\$187	\$55	\$374	8.00%	38.37%	\$11
2021	\$35	\$94	\$181	\$53	\$363	8.00%	38.37%	\$11
2022	\$34	\$92	\$175	\$51	\$352	8.00%	38.37%	\$11
2023	\$33	\$90	\$169	\$49	\$341	8.00%	38.37%	\$10
2024	\$32	\$88	\$164	\$47	\$331	8.00%	38.37%	\$10
2025	\$31	\$86	\$159	\$45	\$321	8.00%	38.37%	\$10

Table 4

Incremental Customer Costs								
1	2	3	4	5-3*4	6	7	8-6*7	5*8
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost	New Customer Adm. & Main O&M
2006	\$4.73	\$57	38.37%	\$ 21.87	\$ 38	38.37%	\$15	\$36
2007	\$4.64	\$56	38.37%	\$ 22.28	\$ 39	38.37%	\$15	\$37
2008	\$4.96	\$60	38.37%	\$ 23.02	\$ 40	38.37%	\$15	\$38
2009	\$5.08	\$61	38.37%	\$ 23.41	\$ 41	38.37%	\$16	\$39
2010	\$5.20	\$62	38.37%	\$ 23.79	\$ 42	38.37%	\$16	\$40
2011	\$5.33	\$64	38.37%	\$ 24.56	\$ 43	38.37%	\$16	\$41
2012	\$5.45	\$65	38.37%	\$ 24.94	\$ 44	38.37%	\$17	\$42
2013	\$5.58	\$67	38.37%	\$ 25.71	\$ 45	38.37%	\$17	\$43
2014	\$5.72	\$69	38.37%	\$ 26.48	\$ 46	38.37%	\$18	\$44
2015	\$5.86	\$70	38.37%	\$ 26.86	\$ 47	38.37%	\$18	\$44
2016	\$6.00	\$72	38.37%	\$ 27.63	\$ 48	38.37%	\$18	\$45
2017	\$6.14	\$74	38.37%	\$ 28.40	\$ 49	38.37%	\$19	\$47
2018	\$6.29	\$75	38.37%	\$ 28.78	\$ 50	38.37%	\$19	\$48
2019	\$6.44	\$77	38.37%	\$ 29.55	\$ 52	38.37%	\$20	\$49
2020	\$6.59	\$79	38.37%	\$ 30.32	\$ 53	38.37%	\$20	\$51
2021	\$6.75	\$81	38.37%	\$ 31.08	\$ 54	38.37%	\$21	\$52
2022	\$6.91	\$83	38.37%	\$ 31.85	\$ 55	38.37%	\$21	\$53
2023	\$7.08	\$85	38.37%	\$ 32.62	\$ 57	38.37%	\$22	\$54
2024	\$7.25	\$87	38.37%	\$ 33.39	\$ 58	38.37%	\$22	\$56
2025	\$7.42	\$89	38.37%	\$ 34.15	\$ 59	38.37%	\$23	\$57

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	170	\$1.000	\$167
2007	170	\$1.1264	\$191
2008	170	\$1.1534	\$196
2009	170	\$1.1811	\$201
2010	170	\$1.2096	\$206
2011	170	\$1.2385	\$211
2012	170	\$1.2682	\$216
2013	170	\$1.2987	\$221
2014	170	\$1.3298	\$226
2015	170	\$1.3617	\$231
2016	170	\$1.3944	\$237
2017	170	\$1.4279	\$243
2018	170	\$1.4622	\$249
2019	170	\$1.4972	\$255
2020	170	\$1.5332	\$261
2021	170	\$1.5700	\$267
2022	170	\$1.6077	\$273
2023	170	\$1.6462	\$280
2024	170	\$1.6857	\$287
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Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential New Construction Program
RIM Test and Participants Test Results**

For

Tankless Water Heating

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Tankless Water Heating

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1								Table 2	Table 3	Table 4	
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$536	\$450	\$36	\$1,022	\$950	(\$314)	\$400	\$36	\$182	\$94	\$36	\$1,383
2007	2	\$543	0	\$37	\$580	0	0	0	\$37	\$186	\$94	\$36	\$353
2008	3	\$550	0	\$38	\$588	0	0	0	\$38	\$190	\$94	\$36	\$358
2009	4	\$557	0	\$39	\$596	0	0	0	\$39	\$195	\$94	\$36	\$363
2010	5	\$564	0	\$40	\$604	0	0	0	\$40	\$200	\$94	\$36	\$369
2011	6	\$571	0	\$41	\$612	0	0	0	\$41	\$204	\$94	\$36	\$375
2012	7	\$578	0	\$42	\$620	0	0	0	\$42	\$209	\$94	\$36	\$381
2013	8	\$585	0	\$43	\$628	0	0	0	\$43	\$214	\$94	\$36	\$387
2014	9	\$592	0	\$44	\$636	0	0	0	\$44	\$219	\$94	\$36	\$393
2015	10	\$599	0	\$45	\$644	0	0	0	\$45	\$225	\$94	\$36	\$399
2016	11	\$607	0	\$46	\$652	0	0	0	\$46	\$230	\$94	\$36	\$405
2017	12	\$614	0	\$47	\$660	0	0	0	\$47	\$236	\$94	\$36	\$412
2018	13	\$621	0	\$48	\$669	0	0	0	\$48	\$241	\$94	\$36	\$419
2019	14	\$628	0	\$49	\$677	0	0	0	\$49	\$247	\$94	\$36	\$426
2020	15	\$635	0	\$50	\$685	0	0	0	\$50	\$253	\$94	\$36	\$433
2021	16	\$642	0	\$51	\$693	0	0	0	\$51	\$259	\$94	\$36	\$440
2022	17	\$649	0	\$53	\$702	0	0	0	\$53	\$265	\$94	\$36	\$448
2023	18	\$656	0	\$54	\$710	0	0	0	\$54	\$272	\$94	\$36	\$455
2024	19	\$663	0	\$55	\$718	0	0	0	\$55	\$278	\$94	\$36	\$463
2025	20	\$670	450	\$56	\$1,177	1,324	(438)	348	\$56	\$285	\$94	\$36	\$1,706

Present Value of Benefits \$6,683

Present Value of Costs \$5,043

Benefit/Cost Ratio	1.33
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**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type	
Tankless Water Heating	

O&M expense	2%	PGA Gas Ra	2%	Customer Cf	0%
Electric rates (tu)	2%	PGA Base R	0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	4,773	10.00%	\$536
2007	\$0.1034	4,773	10.00%	\$543
2008	\$0.1047	4,773	10.00%	\$550
2009	\$0.1061	4,773	10.00%	\$557
2010	\$0.1074	4,773	10.00%	\$564
2011	\$0.1088	4,773	10.00%	\$571
2012	\$0.1101	4,773	10.00%	\$578
2013	\$0.1115	4,773	10.00%	\$585
2014	\$0.1128	4,773	10.00%	\$592
2015	\$0.1142	4,773	10.00%	\$599
2016	\$0.1155	4,773	10.00%	\$607
2017	\$0.1169	4,773	10.00%	\$614
2018	\$0.1182	4,773	10.00%	\$621
2019	\$0.1196	4,773	10.00%	\$628
2020	\$0.1209	4,773	10.00%	\$635
2021	\$0.1223	4,773	10.00%	\$642
2022	\$0.1236	4,773	10.00%	\$649
2023	\$0.1250	4,773	10.00%	\$656
2024	\$0.1263	4,773	10.00%	\$663
2025	\$0.1277	4,773	10.00%	\$670

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$1.1000	150	10.00%	\$182
2007	\$1.1264	150	10.00%	\$186
2008	\$1.1534	150	10.00%	\$190
2009	\$1.1811	150	10.00%	\$195
2010	\$1.2095	150	10.00%	\$200
2011	\$1.2385	150	10.00%	\$204
2012	\$1.2682	150	10.00%	\$209
2013	\$1.2987	150	10.00%	\$214
2014	\$1.3298	150	10.00%	\$219
2015	\$1.3617	150	10.00%	\$225
2016	\$1.3944	150	10.00%	\$230
2017	\$1.4279	150	10.00%	\$236
2018	\$1.4622	150	10.00%	\$241
2019	\$1.4972	150	10.00%	\$247
2020	\$1.5332	150	10.00%	\$253
2021	\$1.5700	150	10.00%	\$259
2022	\$1.6077	150	10.00%	\$265
2023	\$1.6462	150	10.00%	\$272
2024	\$1.6857	150	10.00%	\$278
2025	\$1.7262	150	10.00%	\$285

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	150	10.00%	\$94
2007	\$0.5699	150	10.00%	\$94
2008	\$0.5699	150	10.00%	\$94
2009	\$0.5699	150	10.00%	\$94
2010	\$0.5699	150	10.00%	\$94
2011	\$0.5699	150	10.00%	\$94
2012	\$0.5699	150	10.00%	\$94
2013	\$0.5699	150	10.00%	\$94
2014	\$0.5699	150	10.00%	\$94
2015	\$0.5699	150	10.00%	\$94
2016	\$0.5699	150	10.00%	\$94
2017	\$0.5699	150	10.00%	\$94
2018	\$0.5699	150	10.00%	\$94
2019	\$0.5699	150	10.00%	\$94
2020	\$0.5699	150	10.00%	\$94
2021	\$0.5699	150	10.00%	\$94
2022	\$0.5699	150	10.00%	\$94
2023	\$0.5699	150	10.00%	\$94
2024	\$0.5699	150	10.00%	\$94
2025	\$0.5699	150	10.00%	\$94

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8	\$96.00	150	443	33.86%	10.00%	\$36
2007	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2008	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2009	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2010	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2011	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2012	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2013	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2014	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2015	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2016	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2017	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2018	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2019	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2020	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2021	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2022	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2023	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2024	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2025	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Tankless Water Heating

	Incremental Revenue Energy charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4			
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$85	\$165	\$37	\$287	\$165	\$18	\$36	\$453	\$672	
2007	\$85	\$169	\$37	\$291	\$169	\$17	\$37	\$3	\$226	
2008	\$85	\$173	\$37	\$295	\$173	\$17	\$38	\$3	\$231	
2009	\$85	\$177	\$37	\$299	\$177	\$16	\$39	\$3	\$235	
2010	\$85	\$181	\$37	\$304	\$181	\$16	\$40	\$3	\$240	
2011	\$85	\$186	\$37	\$308	\$186	\$15	\$41	\$3	\$245	
2012	\$85	\$190	\$37	\$313	\$190	\$15	\$42	\$3	\$250	
2013	\$85	\$195	\$37	\$317	\$195	\$14	\$43	\$3	\$255	
2014	\$85	\$199	\$37	\$322	\$199	\$14	\$44	\$3	\$260	
2015	\$85	\$204	\$37	\$327	\$204	\$13	\$45	\$3	\$266	
2016	\$85	\$209	\$37	\$331	\$209	\$13	\$46	\$3	\$271	
2017	\$85	\$214	\$37	\$336	\$214	\$13	\$47	\$3	\$277	
2018	\$85	\$219	\$37	\$342	\$219	\$12	\$48	\$3	\$283	
2019	\$85	\$225	\$37	\$347	\$225	\$12	\$49	\$3	\$289	
2020	\$85	\$230	\$37	\$352	\$230	\$11	\$51	\$3	\$295	
2021	\$85	\$235	\$37	\$358	\$235	\$11	\$52	\$3	\$302	
2022	\$85	\$241	\$37	\$363	\$241	\$11	\$53	\$3	\$308	
2023	\$85	\$247	\$37	\$369	\$247	\$10	\$54	\$3	\$315	
2024	\$85	\$253	\$37	\$375	\$253	\$10	\$56	\$3	\$322	
2025	\$85	\$259	\$37	\$381	\$259	\$10	\$57	\$453	\$779	

Present Value
of Benefits

\$3,132

Present Value
of Costs

\$3,041

Benefit/Cost
Ratio

1.03

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Calculated Data (Revised July 10, 2006)**

Appliance Type
Tankless Water Heating

PGA Rate Escalator 2%
Base Rate Escalator 0%
Electric Rate Escalator 2%

Depreciation Rate - Supply Main 2.60%
Depreciation Rate - Development Main 2.69%
Depreciation Rate - Service Line 3.20%
Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
Customer Charge - Electric 0%
Inflation factor 2%

Table 1

Revenue - Energy charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	150	\$0.5699	\$85
2007	150	\$0.5699	\$85
2008	150	\$0.5699	\$85
2009	150	\$0.5699	\$85
2010	150	\$0.5699	\$85
2011	150	\$0.5699	\$85
2012	150	\$0.5699	\$85
2013	150	\$0.5699	\$85
2014	150	\$0.5699	\$85
2015	150	\$0.5699	\$85
2016	150	\$0.5699	\$85
2017	150	\$0.5699	\$85
2018	150	\$0.5699	\$85
2019	150	\$0.5699	\$85
2020	150	\$0.5699	\$85
2021	150	\$0.5699	\$85
2022	150	\$0.5699	\$85
2023	150	\$0.5699	\$85
2024	150	\$0.5699	\$85
2025	150	\$0.5699	\$85

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	150	\$1.1000	\$165
2007	150	\$1.1264	\$169
2008	150	\$1.1534	\$173
2009	150	\$1.1811	\$177
2010	150	\$1.2095	\$181
2011	150	\$1.2385	\$186
2012	150	\$1.2682	\$190
2013	150	\$1.2987	\$195
2014	150	\$1.3298	\$199
2015	150	\$1.3617	\$204
2016	150	\$1.3944	\$209
2017	150	\$1.4279	\$214
2018	150	\$1.4622	\$219
2019	150	\$1.4972	\$225
2020	150	\$1.5332	\$230
2021	150	\$1.5700	\$235
2022	150	\$1.6077	\$241
2023	150	\$1.6462	\$247
2024	150	\$1.6857	\$253
2025	150	\$1.7262	\$259

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg.
2006	\$8.00	\$96.00	38.37%	\$37
2007	\$8.00	\$96.00	38.37%	\$37
2008	\$8.00	\$96.00	38.37%	\$37
2009	\$8.00	\$96.00	38.37%	\$37
2010	\$8.00	\$96.00	38.37%	\$37
2011	\$8.00	\$96.00	38.37%	\$37
2012	\$8.00	\$96.00	38.37%	\$37
2013	\$8.00	\$96.00	38.37%	\$37
2014	\$8.00	\$96.00	38.37%	\$37
2015	\$8.00	\$96.00	38.37%	\$37
2016	\$8.00	\$96.00	38.37%	\$37
2017	\$8.00	\$96.00	38.37%	\$37
2018	\$8.00	\$96.00	38.37%	\$37
2019	\$8.00	\$96.00	38.37%	\$37
2020	\$8.00	\$96.00	38.37%	\$37
2021	\$8.00	\$96.00	38.37%	\$37
2022	\$8.00	\$96.00	38.37%	\$37
2023	\$8.00	\$96.00	38.37%	\$37
2024	\$8.00	\$96.00	38.37%	\$37
2025	\$8.00	\$96.00	38.37%	\$37

Table 3

Investment Carrying Costs								
1	2	3	4	5	6	7	8	6*7*8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total	Carrying Chg Mains & Svc
2006	\$50	\$140	\$294	\$88	\$572	8.00%	38.37%	\$18
2007	\$49	\$136	\$285	\$85	\$555	8.00%	38.37%	\$17
2008	\$48	\$132	\$276	\$82	\$538	8.00%	38.37%	\$17
2009	\$47	\$129	\$267	\$79	\$522	8.00%	38.37%	\$16
2010	\$46	\$126	\$258	\$76	\$506	8.00%	38.37%	\$16
2011	\$45	\$123	\$250	\$73	\$491	8.00%	38.37%	\$15
2012	\$44	\$120	\$242	\$71	\$477	8.00%	38.37%	\$15
2013	\$43	\$117	\$234	\$69	\$463	8.00%	38.37%	\$14
2014	\$42	\$114	\$227	\$67	\$450	8.00%	38.37%	\$14
2015	\$41	\$111	\$220	\$65	\$437	8.00%	38.37%	\$13
2016	\$40	\$108	\$213	\$63	\$424	8.00%	38.37%	\$13
2017	\$39	\$105	\$206	\$61	\$411	8.00%	38.37%	\$13
2018	\$38	\$102	\$199	\$59	\$398	8.00%	38.37%	\$12
2019	\$37	\$99	\$193	\$57	\$386	8.00%	38.37%	\$12
2020	\$36	\$96	\$187	\$55	\$374	8.00%	38.37%	\$11
2021	\$35	\$94	\$181	\$53	\$363	8.00%	38.37%	\$11
2022	\$34	\$92	\$175	\$51	\$352	8.00%	38.37%	\$11
2023	\$33	\$90	\$169	\$49	\$341	8.00%	38.37%	\$10
2024	\$32	\$88	\$164	\$47	\$331	8.00%	38.37%	\$10
2025	\$31	\$86	\$159	\$45	\$321	8.00%	38.37%	\$10

Table 4

Incremental Customer Costs								
1	2	3	4	5=3*4	6	7	8=6*7	5+8
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost	New Customer Adm. & Main O&M
2006	\$4.73	\$57	38.37%	\$ 21.87	\$ 38	38.37%	\$15	\$36
2007	\$4.84	\$58	38.37%	\$ 22.26	\$ 39	38.37%	\$15	\$37
2008	\$4.96	\$60	38.37%	\$ 23.02	\$ 40	38.37%	\$15	\$38
2009	\$5.08	\$61	38.37%	\$ 23.41	\$ 41	38.37%	\$16	\$39
2010	\$5.20	\$62	38.37%	\$ 23.79	\$ 42	38.37%	\$16	\$40
2011	\$5.33	\$64	38.37%	\$ 24.56	\$ 43	38.37%	\$16	\$41
2012	\$5.45	\$65	38.37%	\$ 24.94	\$ 44	38.37%	\$17	\$42
2013	\$5.58	\$67	38.37%	\$ 25.71	\$ 45	38.37%	\$17	\$43
2014	\$5.72	\$69	38.37%	\$ 26.48	\$ 46	38.37%	\$18	\$44
2015	\$5.86	\$70	38.37%	\$ 26.86	\$ 47	38.37%	\$18	\$45
2016	\$6.00	\$72	38.37%	\$ 27.63	\$ 48	38.37%	\$18	\$46
2017	\$6.14	\$74	38.37%	\$ 28.40	\$ 49	38.37%	\$19	\$47
2018	\$6.29	\$75	38.37%	\$ 28.78	\$ 50	38.37%	\$19	\$48
2019	\$6.44	\$77	38.37%	\$ 29.55	\$ 52	38.37%	\$20	\$49
2020	\$6.59	\$79	38.37%	\$ 30.32	\$ 53	38.37%	\$20	\$51
2021	\$6.75	\$81	38.37%	\$ 31.08	\$ 54	38.37%	\$21	\$52
2022	\$6.91	\$83	38.37%	\$ 31.85	\$ 55	38.37%	\$21	\$53
2023	\$7.08	\$85	38.37%	\$ 32.62	\$ 57	38.37%	\$22	\$54
2024	\$7.25	\$87	38.37%	\$ 33.39	\$ 58	38.37%	\$22	\$56
2025	\$7.42	\$89	38.37%	\$ 34.15	\$ 59	38.37%	\$23	\$57

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	150	1.1000	\$165
2007	150	\$1.1264	\$169
2008	150	\$1.1534	\$173
2009	150	\$1.1811	\$177
2010	150	\$1.2095	\$181
2011	150	\$1.2385	\$186
2012	150	\$1.2682	\$190
2013	150	\$1.2987	\$195
2014	150	\$1.3298	\$199
2015	150	\$1.3617	\$204
2016	150	\$1.3944	\$209
2017	150	\$1.4279	\$214
2018	150	\$1.4622	\$219
2019	150	\$1.4972	\$225
2020	150	\$1.5332	\$230
2021	150	\$1.5700	\$235
2022	150	\$1.6077	\$241
2023	150	\$1.6462	\$247
2024	150	\$1.6857	\$253
2025	150	\$1.7262	\$259

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential New Construction Program
RIM Test and Participants Test Results**

For

Heating Systems

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Heating System

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1				Table 2			Table 3	Table 4			
1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$353	\$350	\$192	\$895	\$2,052	(\$3,850)	\$1,600	\$192	\$215	\$112	\$42	\$363
2007	2	\$358	0	\$197	\$555	0	0	0	\$197	\$221	\$112	\$42	\$571
2008	3	\$363	0	\$201	\$564	0	0	0	\$201	\$226	\$112	\$42	\$581
2009	4	\$368	0	\$206	\$574	0	0	0	\$206	\$231	\$112	\$42	\$591
2010	5	\$372	0	\$211	\$583	0	0	0	\$211	\$237	\$112	\$42	\$602
2011	6	\$377	0	\$216	\$593	0	0	0	\$216	\$242	\$112	\$42	\$613
2012	7	\$382	0	\$221	\$603	0	0	0	\$221	\$248	\$112	\$42	\$624
2013	8	\$386	0	\$227	\$613	0	0	0	\$227	\$254	\$112	\$42	\$635
2014	9	\$391	0	\$232	\$623	0	0	0	\$232	\$260	\$112	\$42	\$646
2015	10	\$396	0	\$238	\$633	0	0	0	\$238	\$267	\$112	\$42	\$658
2016	11	\$400	0	\$243	\$644	0	0	0	\$243	\$273	\$112	\$42	\$670
2017	12	\$405	0	\$249	\$654	0	0	0	\$249	\$280	\$112	\$42	\$683
2018	13	\$410	0	\$255	\$665	0	0	0	\$255	\$286	\$112	\$42	\$696
2019	14	\$414	0	\$261	\$676	0	0	0	\$261	\$293	\$112	\$42	\$709
2020	15	\$419	350	\$268	\$1,037	2,929	(5,495)	2,070	\$268	\$300	\$112	\$42	\$225
2021	16	\$424	0	\$274	\$698	0	0	0	\$274	\$307	\$112	\$42	\$735
2022	17	\$428	0	\$281	\$709	0	0	0	\$281	\$315	\$112	\$42	\$749
2023	18	\$433	0	\$287	\$720	0	0	0	\$287	\$322	\$112	\$42	\$764
2024	19	\$438	0	\$294	\$732	0	0	0	\$294	\$330	\$112	\$42	\$778
2025	20	\$442	0	\$301	\$744	0	0	0	\$301	\$338	\$112	\$42	\$793

Present Value of Benefits \$6,475

Present Value of Costs \$5,939

Benefit/Cost Ratio	1.09
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**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type
Heating System

Escalators	0.0%	Electric rate	2.4%	Customer Cf	0%
O&M expense	2.4%	PGA Base R	0.0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	3,150	10.00%	\$353
2007	\$0.1034	3,150	10.00%	\$358
2008	\$0.1047	3,150	10.00%	\$363
2009	\$0.1061	3,150	10.00%	\$368
2010	\$0.1074	3,150	10.00%	\$372
2011	\$0.1088	3,150	10.00%	\$377
2012	\$0.1101	3,150	10.00%	\$382
2013	\$0.1115	3,150	10.00%	\$386
2014	\$0.1128	3,150	10.00%	\$391
2015	\$0.1142	3,150	10.00%	\$396
2016	\$0.1155	3,150	10.00%	\$400
2017	\$0.1169	3,150	10.00%	\$405
2018	\$0.1182	3,150	10.00%	\$410
2019	\$0.1196	3,150	10.00%	\$414
2020	\$0.1209	3,150	10.00%	\$419
2021	\$0.1223	3,150	10.00%	\$424
2022	\$0.1236	3,150	10.00%	\$428
2023	\$0.1250	3,150	10.00%	\$433
2024	\$0.1263	3,150	10.00%	\$438
2025	\$0.1277	3,150	10.00%	\$442

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$1.1000	178	10.00%	\$215
2007	\$1.1264	178	10.00%	\$221
2008	\$1.1534	178	10.00%	\$226
2009	\$1.1811	178	10.00%	\$231
2010	\$1.2095	178	10.00%	\$237
2011	\$1.2385	178	10.00%	\$242
2012	\$1.2682	178	10.00%	\$248
2013	\$1.2987	178	10.00%	\$254
2014	\$1.3298	178	10.00%	\$260
2015	\$1.3617	178	10.00%	\$267
2016	\$1.3944	178	10.00%	\$273
2017	\$1.4279	178	10.00%	\$280
2018	\$1.4622	178	10.00%	\$286
2019	\$1.4972	178	10.00%	\$293
2020	\$1.5332	178	10.00%	\$300
2021	\$1.5700	178	10.00%	\$307
2022	\$1.6077	178	10.00%	\$315
2023	\$1.6462	178	10.00%	\$322
2024	\$1.6857	178	10.00%	\$330
2025	\$1.7262	178	10.00%	\$338

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	178	10.00%	\$112
2007	\$0.5699	178	10.00%	\$112
2008	\$0.5699	178	10.00%	\$112
2009	\$0.5699	178	10.00%	\$112
2010	\$0.5699	178	10.00%	\$112
2011	\$0.5699	178	10.00%	\$112
2012	\$0.5699	178	10.00%	\$112
2013	\$0.5699	178	10.00%	\$112
2014	\$0.5699	178	10.00%	\$112
2015	\$0.5699	178	10.00%	\$112
2016	\$0.5699	178	10.00%	\$112
2017	\$0.5699	178	10.00%	\$112
2018	\$0.5699	178	10.00%	\$112
2019	\$0.5699	178	10.00%	\$112
2020	\$0.5699	178	10.00%	\$112
2021	\$0.5699	178	10.00%	\$112
2022	\$0.5699	178	10.00%	\$112
2023	\$0.5699	178	10.00%	\$112
2024	\$0.5699	178	10.00%	\$112
2025	\$0.5699	178	10.00%	\$112

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2007	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2008	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2009	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2010	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2011	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2012	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2013	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2014	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2015	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2016	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2017	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2018	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2019	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2020	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2021	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2022	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2023	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2024	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2025	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Heating System

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4			
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$101	\$196	\$39	\$336	\$196	\$18	\$38	\$353	\$606	
2007	\$101	\$200	\$39	\$341	\$200	\$18	\$39	\$3	\$261	
2008	\$101	\$205	\$39	\$345	\$205	\$17	\$40	\$3	\$266	
2009	\$101	\$210	\$39	\$350	\$210	\$17	\$41	\$3	\$271	
2010	\$101	\$215	\$39	\$355	\$215	\$16	\$42	\$3	\$276	
2011	\$101	\$220	\$39	\$360	\$220	\$16	\$43	\$3	\$282	
2012	\$101	\$226	\$39	\$366	\$226	\$15	\$44	\$3	\$288	
2013	\$101	\$231	\$39	\$371	\$231	\$15	\$45	\$3	\$294	
2014	\$101	\$237	\$39	\$377	\$237	\$14	\$46	\$3	\$301	
2015	\$101	\$242	\$39	\$382	\$242	\$14	\$47	\$3	\$307	
2016	\$101	\$248	\$39	\$388	\$248	\$14	\$48	\$3	\$313	
2017	\$101	\$254	\$39	\$394	\$254	\$13	\$49	\$3	\$320	
2018	\$101	\$260	\$39	\$400	\$260	\$13	\$50	\$3	\$327	
2019	\$101	\$267	\$39	\$407	\$267	\$12	\$52	\$3	\$334	
2020	\$101	\$273	\$39	\$413	\$273	\$12	\$53	\$353	\$691	
2021	\$101	\$279	\$39	\$419	\$279	\$12	\$54	\$3	\$349	
2022	\$101	\$286	\$39	\$426	\$286	\$11	\$56	\$3	\$356	
2023	\$101	\$293	\$39	\$433	\$293	\$11	\$57	\$3	\$364	
2024	\$101	\$300	\$39	\$440	\$300	\$11	\$58	\$3	\$372	
2025	\$101	\$307	\$39	\$447	\$307	\$10	\$60	\$3	\$381	

Present Value
of Benefits

\$3,666

Present Value
of Costs

\$3,350

Benefit/Cost
Ratio

1.09

Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Calculated Data (Revised July 10, 2006)

Appliance Type
Heating System

PGA Rate Escalator 2.4%
 Base Rate Escalator 0%
 Electric Rate Escalator 2.4%

Depreciation Rate - Supply Main 2.60%
 Depreciation Rate - Development Main 2.60%
 Depreciation Rate - Service Line 3.20%
 Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
 Customer Charge - Electric 0%
 Inflation factor 2%

Table 1

Revenue - Energy Charge				
	1	2	3	2*3
Year	Therms	Base Rate	Total Rate	
2006	178	\$0.5699	\$101	
2007	178	\$0.5699	\$101	
2008	178	\$0.5699	\$101	
2009	178	\$0.5699	\$101	
2010	178	\$0.5699	\$101	
2011	178	\$0.5699	\$101	
2012	178	\$0.5699	\$101	
2013	178	\$0.5699	\$101	
2014	178	\$0.5699	\$101	
2015	178	\$0.5699	\$101	
2016	178	\$0.5699	\$101	
2017	178	\$0.5699	\$101	
2018	178	\$0.5699	\$101	
2019	178	\$0.5699	\$101	
2020	178	\$0.5699	\$101	
2021	178	\$0.5699	\$101	
2022	178	\$0.5699	\$101	
2023	178	\$0.5699	\$101	
2024	178	\$0.5699	\$101	
2025	178	\$0.5699	\$101	

Table 1a

Revenue - Cost of Gas				
	1	2	4	2*3
Year	Therms	PGA Rate	Total Rate	
2006	178	\$1.1000	\$196	
2007	178	\$1.1264	\$200	
2008	178	\$1.1534	\$205	
2009	178	\$1.1811	\$210	
2010	178	\$1.2095	\$215	
2011	178	\$1.2385	\$220	
2012	178	\$1.2682	\$225	
2013	178	\$1.2987	\$231	
2014	178	\$1.3298	\$237	
2015	178	\$1.3617	\$242	
2016	178	\$1.3944	\$248	
2017	178	\$1.4279	\$254	
2018	178	\$1.4622	\$260	
2019	178	\$1.4972	\$267	
2020	178	\$1.5332	\$273	
2021	178	\$1.5700	\$279	
2022	178	\$1.6077	\$286	
2023	178	\$1.6462	\$293	
2024	178	\$1.6857	\$300	
2025	178	\$1.7262	\$307	

Table 2

Revenue - Customer Charge				
	1	2	3	4
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg.
2006	\$8.00	\$96.00	40.18%	\$39
2007	\$8.00	\$96.00	40.18%	\$39
2008	\$8.00	\$96.00	40.18%	\$39
2009	\$8.00	\$96.00	40.18%	\$39
2010	\$8.00	\$96.00	40.18%	\$39
2011	\$8.00	\$96.00	40.18%	\$39
2012	\$8.00	\$96.00	40.18%	\$39
2013	\$8.00	\$96.00	40.18%	\$39
2014	\$8.00	\$96.00	40.18%	\$39
2015	\$8.00	\$96.00	40.18%	\$39
2016	\$8.00	\$96.00	40.18%	\$39
2017	\$8.00	\$96.00	40.18%	\$39
2018	\$8.00	\$96.00	40.18%	\$39
2019	\$8.00	\$96.00	40.18%	\$39
2020	\$8.00	\$96.00	40.18%	\$39
2021	\$8.00	\$96.00	40.18%	\$39
2022	\$8.00	\$96.00	40.18%	\$39
2023	\$8.00	\$96.00	40.18%	\$39
2024	\$8.00	\$96.00	40.18%	\$39
2025	\$8.00	\$96.00	40.18%	\$39

Table 3

Investment Carrying Costs							
	1	2	3	4	5	6	7
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total
2006	\$50	\$140	\$294	\$88	\$572	8.00%	40.18%
2007	\$49	\$136	\$285	\$85	\$555	8.00%	40.18%
2008	\$48	\$132	\$276	\$82	\$538	8.00%	40.18%
2009	\$47	\$129	\$267	\$79	\$522	8.00%	40.18%
2010	\$46	\$126	\$258	\$76	\$506	8.00%	40.18%
2011	\$45	\$123	\$250	\$73	\$491	8.00%	40.18%
2012	\$44	\$120	\$242	\$71	\$477	8.00%	40.18%
2013	\$43	\$117	\$234	\$69	\$463	8.00%	40.18%
2014	\$42	\$114	\$227	\$67	\$450	8.00%	40.18%
2015	\$41	\$111	\$220	\$65	\$437	8.00%	40.18%
2016	\$40	\$108	\$213	\$63	\$424	8.00%	40.18%
2017	\$39	\$105	\$206	\$61	\$411	8.00%	40.18%
2018	\$38	\$102	\$199	\$59	\$398	8.00%	40.18%
2019	\$37	\$99	\$193	\$57	\$386	8.00%	40.18%
2020	\$36	\$96	\$187	\$55	\$374	8.00%	40.18%
2021	\$35	\$94	\$181	\$53	\$363	8.00%	40.18%
2022	\$34	\$92	\$175	\$51	\$352	8.00%	40.18%
2023	\$33	\$90	\$169	\$49	\$341	8.00%	40.18%
2024	\$32	\$88	\$164	\$47	\$331	8.00%	40.18%
2025	\$31	\$86	\$159	\$45	\$321	8.00%	40.18%

Table 4

Incremental Customer Costs							
	1	2	3	4	5-3*4	6	7
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost
2006	\$4.73	\$57	40.18%	\$ 22.90	\$ 38	40.18%	\$15
2007	\$4.84	\$58	40.18%	\$ 23.30	\$ 39	40.18%	\$16
2008	\$4.96	\$60	40.18%	\$ 24.11	\$ 40	40.18%	\$16
2009	\$5.08	\$61	40.18%	\$ 24.51	\$ 41	40.18%	\$16
2010	\$5.20	\$62	40.18%	\$ 24.91	\$ 42	40.18%	\$17
2011	\$5.33	\$64	40.18%	\$ 25.72	\$ 43	40.18%	\$17
2012	\$5.45	\$65	40.18%	\$ 26.12	\$ 44	40.18%	\$18
2013	\$5.58	\$67	40.18%	\$ 26.92	\$ 45	40.18%	\$18
2014	\$5.72	\$69	40.18%	\$ 27.72	\$ 46	40.18%	\$18
2015	\$5.85	\$70	40.18%	\$ 28.13	\$ 47	40.18%	\$19
2016	\$6.00	\$72	40.18%	\$ 28.93	\$ 48	40.18%	\$19
2017	\$6.14	\$74	40.18%	\$ 29.73	\$ 49	40.18%	\$20
2018	\$6.29	\$75	40.18%	\$ 30.14	\$ 50	40.18%	\$20
2019	\$6.44	\$77	40.18%	\$ 30.94	\$ 52	40.18%	\$21
2020	\$6.59	\$79	40.18%	\$ 31.74	\$ 53	40.18%	\$21
2021	\$6.75	\$81	40.18%	\$ 32.55	\$ 54	40.18%	\$22
2022	\$6.91	\$83	40.18%	\$ 33.35	\$ 55	40.18%	\$22
2023	\$7.08	\$85	40.18%	\$ 34.15	\$ 57	40.18%	\$23
2024	\$7.25	\$87	40.18%	\$ 34.96	\$ 58	40.18%	\$23
2025	\$7.42	\$89	40.18%	\$ 35.76	\$ 59	40.18%	\$24

Table 5

Gas Costs			
	1	2	3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	178	1.1000	\$196
2007	178	\$1.1264	\$200
2008	178	\$1.1534	\$205
2009	178	\$1.1811	\$210
2010	178	\$1.2095	\$215
2011	178	\$1.2385	\$220
2012	178	\$1.2682	\$226
2013	178	\$1.2987	\$231
2014	178	\$1.3298	\$237
2015	178	\$1.3617	\$242
2016	178	\$1.3944	\$248
2017	178	\$1.4279	\$254
2018	178	\$1.4622	\$260
2019	178	\$1.4972	\$267
2020	178	\$1.5332	\$273
2021	178	\$1.5700	\$279
2022	178	\$1.6077	\$286
2023	178	\$1.6462	\$293
2024	178	\$1.6857	\$300
2025	178	\$1.7262	\$307

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006, 2006**

**Residential New Construction Program
RIM Test and Participants Test Results**

For

Clothes Drying Appliances

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Clothes Drying

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1								Table 2	Table 3	Table 4	
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$164	\$100	\$36	\$300	\$379	(\$454)	\$300	\$36	\$61	\$31	\$12	\$365
2007	2	\$167	0	\$37	\$203	0	0	0	\$37	\$62	\$31	\$12	\$142
2008	3	\$169	0	\$38	\$207	0	0	0	\$38	\$63	\$31	\$12	\$144
2009	4	\$171	0	\$39	\$210	0	0	0	\$39	\$65	\$31	\$12	\$147
2010	5	\$173	0	\$40	\$213	0	0	0	\$40	\$67	\$31	\$12	\$149
2011	6	\$175	0	\$41	\$216	0	0	0	\$41	\$68	\$31	\$12	\$152
2012	7	\$177	0	\$42	\$219	0	0	0	\$42	\$70	\$31	\$12	\$155
2013	8	\$180	0	\$43	\$222	0	0	0	\$43	\$71	\$31	\$12	\$157
2014	9	\$182	0	\$44	\$225	0	0	0	\$44	\$73	\$31	\$12	\$160
2015	10	\$184	0	\$45	\$229	0	0	0	\$45	\$75	\$31	\$12	\$163
2016	11	\$186	0	\$46	\$232	0	0	0	\$46	\$77	\$31	\$12	\$166
2017	12	\$188	0	\$47	\$235	0	0	0	\$47	\$79	\$31	\$12	\$169
2018	13	\$191	\$100	\$48	\$338	516	(618)	204	\$48	\$80	\$31	\$12	\$274
2019	14	\$193	0	\$49	\$242	0	0	0	\$49	\$82	\$31	\$12	\$175
2020	15	\$195	0	\$50	\$245	0	0	0	\$50	\$84	\$31	\$12	\$178
2021	16	\$197	0	\$51	\$248	0	0	0	\$51	\$86	\$31	\$12	\$181
2022	17	\$199	0	\$53	\$252	0	0	0	\$53	\$88	\$31	\$12	\$184
2023	18	\$201	0	\$54	\$255	0	0	0	\$54	\$91	\$31	\$12	\$188
2024	19	\$204	0	\$55	\$259	0	0	0	\$55	\$93	\$31	\$12	\$191
2025	20	\$206	0	\$56	\$262	0	0	0	\$56	\$95	\$31	\$12	\$195

Present Value of Benefits \$2,315

Present Value of Costs \$1,800

Benefit/Cost Ratio	1.29
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**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type
Clothes Drying

O&M expense	2%	PGA Gas Rates	2%	Customer Cr	0%
Electric rates (fu	2%	PGA Base Rate	0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	1,465	10.00%	\$164
2007	\$0.1034	1,465	10.00%	\$167
2008	\$0.1047	1,465	10.00%	\$169
2009	\$0.1061	1,465	10.00%	\$171
2010	\$0.1074	1,465	10.00%	\$173
2011	\$0.1088	1,465	10.00%	\$175
2012	\$0.1101	1,465	10.00%	\$177
2013	\$0.1115	1,465	10.00%	\$180
2014	\$0.1128	1,465	10.00%	\$182
2015	\$0.1142	1,465	10.00%	\$184
2016	\$0.1155	1,465	10.00%	\$186
2017	\$0.1169	1,465	10.00%	\$188
2018	\$0.1182	1,465	10.00%	\$191
2019	\$0.1196	1,465	10.00%	\$193
2020	\$0.1209	1,465	10.00%	\$195
2021	\$0.1223	1,465	10.00%	\$197
2022	\$0.1236	1,465	10.00%	\$199
2023	\$0.1250	1,465	10.00%	\$201
2024	\$0.1263	1,465	10.00%	\$204
2025	\$0.1277	1,465	10.00%	\$206

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$1.1000	50	10.00%	\$61
2007	\$1.1264	50	10.00%	\$62
2008	\$1.1534	50	10.00%	\$63
2009	\$1.1811	50	10.00%	\$65
2010	\$1.2095	50	10.00%	\$67
2011	\$1.2385	50	10.00%	\$68
2012	\$1.2682	50	10.00%	\$70
2013	\$1.2987	50	10.00%	\$71
2014	\$1.3298	50	10.00%	\$73
2015	\$1.3617	50	10.00%	\$75
2016	\$1.3944	50	10.00%	\$77
2017	\$1.4279	50	10.00%	\$79
2018	\$1.4622	50	10.00%	\$80
2019	\$1.4972	50	10.00%	\$82
2020	\$1.5332	50	10.00%	\$84
2021	\$1.5700	50	10.00%	\$86
2022	\$1.6077	50	10.00%	\$88
2023	\$1.6462	50	10.00%	\$91
2024	\$1.6857	50	10.00%	\$93
2025	\$1.7262	50	10.00%	\$95

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	50	10.00%	\$31
2007	\$0.5699	50	10.00%	\$31
2008	\$0.5699	50	10.00%	\$31
2009	\$0.5699	50	10.00%	\$31
2010	\$0.5699	50	10.00%	\$31
2011	\$0.5699	50	10.00%	\$31
2012	\$0.5699	50	10.00%	\$31
2013	\$0.5699	50	10.00%	\$31
2014	\$0.5699	50	10.00%	\$31
2015	\$0.5699	50	10.00%	\$31
2016	\$0.5699	50	10.00%	\$31
2017	\$0.5699	50	10.00%	\$31
2018	\$0.5699	50	10.00%	\$31
2019	\$0.5699	50	10.00%	\$31
2020	\$0.5699	50	10.00%	\$31
2021	\$0.5699	50	10.00%	\$31
2022	\$0.5699	50	10.00%	\$31
2023	\$0.5699	50	10.00%	\$31
2024	\$0.5699	50	10.00%	\$31
2025	\$0.5699	50	10.00%	\$31

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8	\$96.00	50	443	11.29%	10.00%	\$12
2007	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2008	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2009	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2010	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2011	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2012	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2013	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2014	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2015	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2016	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2017	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2018	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2019	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2020	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2021	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2022	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2023	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2024	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2025	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type Clothes Drying

	Incremental Revenue Energy charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4			
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$28	\$55	\$11	\$94	\$55	\$5	\$11	\$101	\$172	
2007	\$28	\$56	\$11	\$96	\$56	\$5	\$11	\$1	\$73	
2008	\$28	\$58	\$11	\$97	\$58	\$5	\$11	\$1	\$75	
2009	\$28	\$59	\$11	\$98	\$59	\$5	\$11	\$1	\$76	
2010	\$28	\$60	\$11	\$100	\$60	\$5	\$12	\$1	\$78	
2011	\$28	\$62	\$11	\$101	\$62	\$4	\$12	\$1	\$79	
2012	\$28	\$63	\$11	\$103	\$63	\$4	\$12	\$1	\$81	
2013	\$28	\$65	\$11	\$104	\$65	\$4	\$13	\$1	\$83	
2014	\$28	\$66	\$11	\$106	\$66	\$4	\$13	\$1	\$84	
2015	\$28	\$68	\$11	\$107	\$68	\$4	\$13	\$1	\$86	
2016	\$28	\$70	\$11	\$109	\$70	\$4	\$14	\$1	\$88	
2017	\$28	\$71	\$11	\$111	\$71	\$4	\$14	\$1	\$90	
2018	\$28	\$73	\$11	\$112	\$73	\$4	\$14	\$100	\$191	
2019	\$28	\$75	\$11	\$114	\$75	\$3	\$15	\$1	\$94	
2020	\$28	\$77	\$11	\$116	\$77	\$3	\$15	\$1	\$96	
2021	\$28	\$78	\$11	\$118	\$78	\$3	\$15	\$1	\$98	
2022	\$28	\$80	\$11	\$120	\$80	\$3	\$16	\$1	\$100	
2023	\$28	\$82	\$11	\$122	\$82	\$3	\$16	\$1	\$102	
2024	\$28	\$84	\$11	\$124	\$84	\$3	\$16	\$1	\$105	
2025	\$28	\$86	\$11	\$126	\$86	\$3	\$17	\$1	\$107	

Present Value
of Benefits

\$1,030

Present Value
of Costs

\$948

Benefit/Cost Ratio

1.09

Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Calculated Data (Revised July 10, 2006)

Appliance Type
Clothes Drying

PGA Rate Escalator 2.4%
 Base Rate Escalator 0%
 Electric Rate Escalator 2.4%

Depreciation Rate - Supply Main 2.60%
 Depreciation Rate - Development Main 2.60%
 Depreciation Rate - Service Line 3.20%
 Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
 Customer Charge - Electric 0%
 Inflation factor 2%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	50	\$0.5699	\$28
2007	50	\$0.5699	\$28
2008	50	\$0.5699	\$28
2009	50	\$0.5699	\$28
2010	50	\$0.5699	\$28
2011	50	\$0.5699	\$28
2012	50	\$0.5699	\$28
2013	50	\$0.5699	\$28
2014	50	\$0.5699	\$28
2015	50	\$0.5699	\$28
2016	50	\$0.5699	\$28
2017	50	\$0.5699	\$28
2018	50	\$0.5699	\$28
2019	50	\$0.5699	\$28
2020	50	\$0.5699	\$28
2021	50	\$0.5699	\$28
2022	50	\$0.5699	\$28
2023	50	\$0.5699	\$28
2024	50	\$0.5699	\$28
2025	50	\$0.5699	\$28

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	50	\$1.1000	\$55
2007	50	\$1.1264	\$56
2008	50	\$1.1534	\$58
2009	50	\$1.1811	\$59
2010	50	\$1.2095	\$60
2011	50	\$1.2385	\$62
2012	50	\$1.2682	\$63
2013	50	\$1.2987	\$65
2014	50	\$1.3298	\$66
2015	50	\$1.3617	\$68
2016	50	\$1.3944	\$70
2017	50	\$1.4279	\$71
2018	50	\$1.4622	\$73
2019	50	\$1.4972	\$75
2020	50	\$1.5332	\$77
2021	50	\$1.5700	\$78
2022	50	\$1.6077	\$80
2023	50	\$1.6462	\$82
2024	50	\$1.6857	\$84
2025	50	\$1.7262	\$86

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg
2006	\$8.00	\$96.00	11.29%	\$11
2007	\$8.00	\$96.00	11.29%	\$11
2008	\$8.00	\$96.00	11.29%	\$11
2009	\$8.00	\$96.00	11.29%	\$11
2010	\$8.00	\$96.00	11.29%	\$11
2011	\$8.00	\$96.00	11.29%	\$11
2012	\$8.00	\$96.00	11.29%	\$11
2013	\$8.00	\$96.00	11.29%	\$11
2014	\$8.00	\$96.00	11.29%	\$11
2015	\$8.00	\$96.00	11.29%	\$11
2016	\$8.00	\$96.00	11.29%	\$11
2017	\$8.00	\$96.00	11.29%	\$11
2018	\$8.00	\$96.00	11.29%	\$11
2019	\$8.00	\$96.00	11.29%	\$11
2020	\$8.00	\$96.00	11.29%	\$11
2021	\$8.00	\$96.00	11.29%	\$11
2022	\$8.00	\$96.00	11.29%	\$11
2023	\$8.00	\$96.00	11.29%	\$11
2024	\$8.00	\$96.00	11.29%	\$11
2025	\$8.00	\$96.00	11.29%	\$11

Table 3

Investment Carrying Costs							
1	2	3	4	5	6	7	8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total Mains & Svc
2006	\$50	\$140	\$294	\$88	\$572	8.00%	11.29%
2007	\$49	\$136	\$285	\$85	\$555	8.00%	11.29%
2008	\$48	\$132	\$276	\$82	\$538	8.00%	11.29%
2009	\$47	\$129	\$267	\$79	\$522	8.00%	11.29%
2010	\$46	\$126	\$258	\$76	\$506	8.00%	11.29%
2011	\$45	\$123	\$250	\$73	\$491	8.00%	11.29%
2012	\$44	\$120	\$242	\$71	\$477	8.00%	11.29%
2013	\$43	\$117	\$234	\$69	\$463	8.00%	11.29%
2014	\$42	\$114	\$227	\$67	\$450	8.00%	11.29%
2015	\$41	\$111	\$220	\$65	\$437	8.00%	11.29%
2016	\$40	\$108	\$213	\$63	\$424	8.00%	11.29%
2017	\$39	\$105	\$206	\$61	\$411	8.00%	11.29%
2018	\$38	\$102	\$199	\$59	\$398	8.00%	11.29%
2019	\$37	\$99	\$193	\$57	\$386	8.00%	11.29%
2020	\$36	\$96	\$187	\$55	\$374	8.00%	11.29%
2021	\$35	\$94	\$181	\$53	\$363	8.00%	11.29%
2022	\$34	\$92	\$175	\$51	\$352	8.00%	11.29%
2023	\$33	\$90	\$169	\$49	\$341	8.00%	11.29%
2024	\$32	\$88	\$164	\$47	\$331	8.00%	11.29%
2025	\$31	\$86	\$159	\$45	\$321	8.00%	11.29%

Table 4

Incremental Customer Costs							
1	2	3	4	5-3*4	6	7	8-6*7
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost
2006	\$4.73	\$57	11.29%	\$ 6.43	\$ 38	11.29%	\$4
2007	\$4.84	\$58	11.29%	\$ 6.55	\$ 39	11.29%	\$4
2008	\$4.96	\$60	11.29%	\$ 6.77	\$ 40	11.29%	\$4
2009	\$5.08	\$61	11.29%	\$ 6.89	\$ 41	11.29%	\$5
2010	\$5.20	\$62	11.29%	\$ 7.00	\$ 42	11.29%	\$5
2011	\$5.33	\$64	11.29%	\$ 7.22	\$ 43	11.29%	\$5
2012	\$5.45	\$65	11.29%	\$ 7.34	\$ 44	11.29%	\$5
2013	\$5.58	\$67	11.29%	\$ 7.56	\$ 45	11.29%	\$5
2014	\$5.72	\$69	11.29%	\$ 7.79	\$ 46	11.29%	\$5
2015	\$5.86	\$70	11.29%	\$ 7.90	\$ 47	11.29%	\$5
2016	\$6.00	\$72	11.29%	\$ 8.13	\$ 48	11.29%	\$5
2017	\$6.14	\$74	11.29%	\$ 8.35	\$ 49	11.29%	\$6
2018	\$6.29	\$75	11.29%	\$ 8.47	\$ 50	11.29%	\$6
2019	\$6.44	\$77	11.29%	\$ 8.69	\$ 52	11.29%	\$6
2020	\$6.59	\$79	11.29%	\$ 8.92	\$ 53	11.29%	\$6
2021	\$6.75	\$81	11.29%	\$ 9.14	\$ 54	11.29%	\$6
2022	\$6.91	\$83	11.29%	\$ 9.37	\$ 55	11.29%	\$6
2023	\$7.08	\$85	11.29%	\$ 9.59	\$ 57	11.29%	\$6
2024	\$7.25	\$87	11.29%	\$ 9.82	\$ 58	11.29%	\$7
2025	\$7.42	\$89	11.29%	\$ 10.05	\$ 59	11.29%	\$7

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	50	\$1.000	\$55
2007	50	\$1.1264	\$56
2008	50	\$1.1534	\$58
2009	50	\$1.1811	\$59
2010	50	\$1.2095	\$60
2011	50	\$1.2385	\$62
2012	50	\$1.2682	\$63
2013	50	\$1.2987	\$65
2014	50	\$1.3298	\$66
2015	50	\$1.3617	\$68
2016	50	\$1.3944	\$70
2017	50	\$1.4279	\$71
2018	50	\$1.4622	\$73
2019	50	\$1.4972	\$75
2020	50	\$1.5332	\$77
2021	50	\$1.5700	\$78
2022	50	\$1.6077	\$80
2023	50	\$1.6462	\$82
2024	50	\$1.6857	\$84
2025	50	\$1.7262	\$86

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential New Construction Program
RIM Test and Participants Test Results**

For

Cooking Appliances

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Cooking

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1								Table 2	Table 3	Table 4	
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$147	\$100	\$36	\$283	\$449	(\$574)	\$350	\$36	\$54	\$28	\$11	\$354
2007	2	\$149	0	\$37	\$186	0	0	0	\$37	\$56	\$28	\$11	\$132
2008	3	\$151	0	\$38	\$189	0	0	0	\$38	\$57	\$28	\$11	\$134
2009	4	\$153	0	\$39	\$191	0	0	0	\$39	\$58	\$28	\$11	\$136
2010	5	\$155	0	\$40	\$194	0	0	0	\$40	\$60	\$28	\$11	\$138
2011	6	\$157	0	\$41	\$197	0	0	0	\$41	\$61	\$28	\$11	\$141
2012	7	\$159	0	\$42	\$200	0	0	0	\$42	\$63	\$28	\$11	\$143
2013	8	\$161	0	\$43	\$203	0	0	0	\$43	\$64	\$28	\$11	\$146
2014	9	\$163	0	\$44	\$206	0	0	0	\$44	\$66	\$28	\$11	\$148
2015	10	\$165	0	\$45	\$209	0	0	0	\$45	\$67	\$28	\$11	\$151
2016	11	\$166	0	\$46	\$212	0	0	0	\$46	\$69	\$28	\$11	\$154
2017	12	\$168	0	\$47	\$215	0	0	0	\$47	\$71	\$28	\$11	\$156
2018	13	\$170	0	\$48	\$218	0	0	0	\$48	\$72	\$28	\$11	\$159
2019	14	\$172	100	\$49	\$321	626	(800)	279	\$49	\$74	\$28	\$11	\$267
2020	15	\$174	0	\$50	\$224	0	0	0	\$50	\$76	\$28	\$11	\$165
2021	16	\$176	0	\$51	\$228	0	0	0	\$51	\$78	\$28	\$11	\$168
2022	17	\$178	0	\$53	\$231	0	0	0	\$53	\$80	\$28	\$11	\$171
2023	18	\$180	0	\$54	\$234	0	0	0	\$54	\$81	\$28	\$11	\$174
2024	19	\$182	0	\$55	\$237	0	0	0	\$55	\$83	\$28	\$11	\$178
2025	20	\$184	0	\$56	\$240	0	0	0	\$56	\$85	\$28	\$11	\$181

Present Value of Benefits \$2,126

Present Value of Costs \$1,685

Benefit/Cost Ratio	1.26
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**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type	
Cooking	

O&M expense	2%	PGA Gas Ra	2%	Customer Ct	0%
Electric rates (fu)	2%	PGA Base R	0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	1,310	10.00%	\$147
2007	\$0.1034	1,310	10.00%	\$149
2008	\$0.1047	1,310	10.00%	\$151
2009	\$0.1061	1,310	10.00%	\$153
2010	\$0.1074	1,310	10.00%	\$155
2011	\$0.1088	1,310	10.00%	\$157
2012	\$0.1101	1,310	10.00%	\$159
2013	\$0.1115	1,310	10.00%	\$161
2014	\$0.1128	1,310	10.00%	\$163
2015	\$0.1142	1,310	10.00%	\$165
2016	\$0.1155	1,310	10.00%	\$166
2017	\$0.1169	1,310	10.00%	\$168
2018	\$0.1182	1,310	10.00%	\$170
2019	\$0.1196	1,310	10.00%	\$172
2020	\$0.1209	1,310	10.00%	\$174
2021	\$0.1223	1,310	10.00%	\$176
2022	\$0.1236	1,310	10.00%	\$178
2023	\$0.1250	1,310	10.00%	\$180
2024	\$0.1263	1,310	10.00%	\$182
2025	\$0.1277	1,310	10.00%	\$184

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$1.1000	45	10.00%	\$54
2007	\$1.1264	45	10.00%	\$56
2008	\$1.1534	45	10.00%	\$57
2009	\$1.1811	45	10.00%	\$58
2010	\$1.2095	45	10.00%	\$60
2011	\$1.2385	45	10.00%	\$61
2012	\$1.2682	45	10.00%	\$63
2013	\$1.2987	45	10.00%	\$64
2014	\$1.3298	45	10.00%	\$66
2015	\$1.3617	45	10.00%	\$67
2016	\$1.3944	45	10.00%	\$69
2017	\$1.4279	45	10.00%	\$71
2018	\$1.4622	45	10.00%	\$72
2019	\$1.4972	45	10.00%	\$74
2020	\$1.5332	45	10.00%	\$76
2021	\$1.5700	45	10.00%	\$78
2022	\$1.6077	45	10.00%	\$80
2023	\$1.6462	45	10.00%	\$81
2024	\$1.6857	45	10.00%	\$83
2025	\$1.7262	45	10.00%	\$85

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	45	10.00%	\$28
2007	\$0.5699	45	10.00%	\$28
2008	\$0.5699	45	10.00%	\$28
2009	\$0.5699	45	10.00%	\$28
2010	\$0.5699	45	10.00%	\$28
2011	\$0.5699	45	10.00%	\$28
2012	\$0.5699	45	10.00%	\$28
2013	\$0.5699	45	10.00%	\$28
2014	\$0.5699	45	10.00%	\$28
2015	\$0.5699	45	10.00%	\$28
2016	\$0.5699	45	10.00%	\$28
2017	\$0.5699	45	10.00%	\$28
2018	\$0.5699	45	10.00%	\$28
2019	\$0.5699	45	10.00%	\$28
2020	\$0.5699	45	10.00%	\$28
2021	\$0.5699	45	10.00%	\$28
2022	\$0.5699	45	10.00%	\$28
2023	\$0.5699	45	10.00%	\$28
2024	\$0.5699	45	10.00%	\$28
2025	\$0.5699	45	10.00%	\$28

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8	\$96.00	45	443	10.16%	10.00%	\$11
2007	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2008	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2009	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2010	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2011	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2012	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2013	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2014	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2015	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2016	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2017	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2018	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2019	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2020	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2021	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2022	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2023	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2024	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2025	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Cooking

	Incremental Revenue Energy charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4			
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$26	\$50	\$10	\$85	\$50	\$5	\$10	\$101	\$165	
2007	\$26	\$51	\$10	\$86	\$51	\$5	\$10	\$1	\$66	
2008	\$26	\$52	\$10	\$87	\$52	\$4	\$10	\$1	\$67	
2009	\$26	\$53	\$10	\$89	\$53	\$4	\$10	\$1	\$69	
2010	\$26	\$54	\$10	\$90	\$54	\$4	\$11	\$1	\$70	
2011	\$26	\$56	\$10	\$91	\$56	\$4	\$11	\$1	\$71	
2012	\$26	\$57	\$10	\$92	\$57	\$4	\$11	\$1	\$73	
2013	\$26	\$58	\$10	\$94	\$58	\$4	\$11	\$1	\$74	
2014	\$26	\$60	\$10	\$95	\$60	\$4	\$12	\$1	\$76	
2015	\$26	\$61	\$10	\$97	\$61	\$4	\$12	\$1	\$78	
2016	\$26	\$63	\$10	\$98	\$63	\$3	\$12	\$1	\$79	
2017	\$26	\$64	\$10	\$100	\$64	\$3	\$13	\$1	\$81	
2018	\$26	\$66	\$10	\$101	\$66	\$3	\$13	\$1	\$83	
2019	\$26	\$67	\$10	\$103	\$67	\$3	\$13	\$101	\$184	
2020	\$26	\$69	\$10	\$104	\$69	\$3	\$13	\$1	\$86	
2021	\$26	\$71	\$10	\$106	\$71	\$3	\$14	\$1	\$88	
2022	\$26	\$72	\$10	\$108	\$72	\$3	\$14	\$1	\$90	
2023	\$26	\$74	\$10	\$109	\$74	\$3	\$14	\$1	\$92	
2024	\$26	\$76	\$10	\$111	\$76	\$3	\$15	\$1	\$94	
2025	\$26	\$78	\$10	\$113	\$78	\$3	\$15	\$1	\$96	

Present Value
of Benefits

\$927

Present Value
of Costs

\$864

**Benefit/Cost
Ratio**

1.07

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential New Construction Program
RIM Test - Calculated Data (Revised July 10, 2006)**

Appliance Type
Cooking

PGA Rate Escalator 2%
Base Rate Escalator 0%
Electric Rate escalator 2%

Depreciation Rate - Supply Main 2.60%
Depreciation Rate - Development Main 2.60%
Depreciation Rate - Service Line 3.20%
Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
Customer Charge - Electric 0%
Inflation factor 2%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	45	\$0.5699	\$26
2007	45	\$0.5699	\$26
2008	45	\$0.5699	\$26
2009	45	\$0.5699	\$26
2010	45	\$0.5699	\$26
2011	45	\$0.5699	\$26
2012	45	\$0.5699	\$26
2013	45	\$0.5699	\$26
2014	45	\$0.5699	\$26
2015	45	\$0.5699	\$26
2016	45	\$0.5699	\$26
2017	45	\$0.5699	\$26
2018	45	\$0.5699	\$26
2019	45	\$0.5699	\$26
2020	45	\$0.5699	\$26
2021	45	\$0.5699	\$26
2022	45	\$0.5699	\$26
2023	45	\$0.5699	\$26
2024	45	\$0.5699	\$26
2025	45	\$0.5699	\$26

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	45	\$1.1000	\$50
2007	45	\$1.1264	\$51
2008	45	\$1.1534	\$52
2009	45	\$1.1811	\$53
2010	45	\$1.2095	\$54
2011	45	\$1.2385	\$56
2012	45	\$1.2682	\$57
2013	45	\$1.2987	\$58
2014	45	\$1.3298	\$60
2015	45	\$1.3617	\$61
2016	45	\$1.3944	\$63
2017	45	\$1.4279	\$64
2018	45	\$1.4622	\$66
2019	45	\$1.4972	\$67
2020	45	\$1.5332	\$69
2021	45	\$1.5700	\$71
2022	45	\$1.6077	\$72
2023	45	\$1.6462	\$74
2024	45	\$1.6857	\$76
2025	45	\$1.7262	\$78

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg
2006	\$8.00	\$96.00	10.16%	\$10
2007	\$8.00	\$96.00	10.16%	\$10
2008	\$8.00	\$96.00	10.16%	\$10
2009	\$8.00	\$96.00	10.16%	\$10
2010	\$8.00	\$96.00	10.16%	\$10
2011	\$8.00	\$96.00	10.16%	\$10
2012	\$8.00	\$96.00	10.16%	\$10
2013	\$8.00	\$96.00	10.16%	\$10
2014	\$8.00	\$96.00	10.16%	\$10
2015	\$8.00	\$96.00	10.16%	\$10
2016	\$8.00	\$96.00	10.16%	\$10
2017	\$8.00	\$96.00	10.16%	\$10
2018	\$8.00	\$96.00	10.16%	\$10
2019	\$8.00	\$96.00	10.16%	\$10
2020	\$8.00	\$96.00	10.16%	\$10
2021	\$8.00	\$96.00	10.16%	\$10
2022	\$8.00	\$96.00	10.16%	\$10
2023	\$8.00	\$96.00	10.16%	\$10
2024	\$8.00	\$96.00	10.16%	\$10
2025	\$8.00	\$96.00	10.16%	\$10

Table 3

Investment Carrying Costs							
1	2	3	4	5	6	7	6*7*8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total Mains & Svc
2006	\$50	\$140	\$294	\$88	\$572	8.00%	10.16%
2007	\$49	\$136	\$285	\$85	\$555	8.00%	10.16%
2008	\$48	\$132	\$276	\$82	\$538	8.00%	10.16%
2009	\$47	\$129	\$267	\$79	\$522	8.00%	10.16%
2010	\$46	\$126	\$258	\$76	\$506	8.00%	10.16%
2011	\$45	\$123	\$250	\$73	\$491	8.00%	10.16%
2012	\$44	\$120	\$242	\$71	\$477	8.00%	10.16%
2013	\$43	\$117	\$234	\$69	\$463	8.00%	10.16%
2014	\$42	\$114	\$227	\$67	\$450	8.00%	10.16%
2015	\$41	\$111	\$220	\$65	\$437	8.00%	10.16%
2016	\$40	\$108	\$213	\$63	\$424	8.00%	10.16%
2017	\$39	\$105	\$206	\$61	\$411	8.00%	10.16%
2018	\$38	\$102	\$199	\$59	\$398	8.00%	10.16%
2019	\$37	\$99	\$193	\$57	\$386	8.00%	10.16%
2020	\$36	\$96	\$187	\$55	\$374	8.00%	10.16%
2021	\$35	\$94	\$181	\$53	\$363	8.00%	10.16%
2022	\$34	\$92	\$175	\$51	\$352	8.00%	10.16%
2023	\$33	\$90	\$169	\$49	\$341	8.00%	10.16%
2024	\$32	\$88	\$164	\$47	\$331	8.00%	10.16%
2025	\$31	\$86	\$159	\$45	\$321	8.00%	10.16%

Table 4

Incremental Customer Costs							
1	2	3	4	5=3*4	6	7	8=6*7
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Adm. & New Customer O&M
2006	\$4.73	\$57	10.16%	\$ 5.79	\$ 38	10.16%	\$4
2007	\$4.84	\$58	10.16%	\$ 5.89	\$ 39	10.16%	\$4
2008	\$4.96	\$60	10.16%	\$ 6.09	\$ 40	10.16%	\$4
2009	\$5.08	\$61	10.16%	\$ 6.20	\$ 41	10.16%	\$4
2010	\$5.20	\$62	10.16%	\$ 6.30	\$ 42	10.16%	\$4
2011	\$5.33	\$64	10.16%	\$ 6.50	\$ 43	10.16%	\$4
2012	\$5.45	\$65	10.16%	\$ 6.60	\$ 44	10.16%	\$4
2013	\$5.58	\$67	10.16%	\$ 6.81	\$ 45	10.16%	\$5
2014	\$5.72	\$69	10.16%	\$ 7.01	\$ 46	10.16%	\$5
2015	\$5.86	\$70	10.16%	\$ 7.11	\$ 47	10.16%	\$5
2016	\$6.00	\$72	10.16%	\$ 7.31	\$ 48	10.16%	\$5
2017	\$6.14	\$74	10.16%	\$ 7.52	\$ 49	10.16%	\$5
2018	\$6.29	\$75	10.16%	\$ 7.62	\$ 50	10.16%	\$5
2019	\$6.44	\$77	10.16%	\$ 7.82	\$ 52	10.16%	\$5
2020	\$6.59	\$79	10.16%	\$ 8.02	\$ 53	10.16%	\$5
2021	\$6.75	\$81	10.16%	\$ 8.23	\$ 54	10.16%	\$5
2022	\$6.91	\$83	10.16%	\$ 8.43	\$ 55	10.16%	\$6
2023	\$7.08	\$85	10.16%	\$ 8.63	\$ 57	10.16%	\$6
2024	\$7.25	\$87	10.16%	\$ 8.84	\$ 58	10.16%	\$6
2025	\$7.42	\$89	10.16%	\$ 9.04	\$ 59	10.16%	\$6

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Commodity Gas Supply Cost	Gas Supply Cost
2006	45	\$1.1000	\$50
2007	45	\$1.1264	\$51
2008	45	\$1.1534	\$52
2009	45	\$1.1811	\$53
2010	45	\$1.2095	\$54
2011	45	\$1.2385	\$56
2012	45	\$1.2682	\$57
2013	45	\$1.2987	\$58
2014	45	\$1.3298	\$60
2015	45	\$1.3617	\$61
2016	45	\$1.3944	\$63
2017	45	\$1.4279	\$64
2018	45	\$1.4622	\$66
2019	45	\$1.4972	\$67
2020	45	\$1.5332	\$69
2021	45	\$1.5700	\$71
2022	45	\$1.6077	\$72
2023	45	\$1.6462	\$74
2024	45	\$1.6857	\$76
2025	45	\$1.7262	\$78

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Replacement Program
RIM Test and Participants Test Results**

For

Heating Systems

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Heating System

Year	Year Number	Benefits				Costs								
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment Cost	Gas Installation Costs	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS	
		Table 1								Table 2	Table 3	Table 4		
1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13	
2006	1	\$353	\$625	\$192	\$1,170	\$2,052	(\$3,850)	\$1,800	\$192	\$176	\$112	\$42	\$524	
2007	2	\$358	0	\$197	\$555	0	0	0	\$197	\$180	\$112	\$42	\$531	
2008	3	\$363	0	\$201	\$564	0	0	0	\$201	\$185	\$112	\$42	\$540	
2009	4	\$368	0	\$206	\$574	0	0	0	\$206	\$189	\$112	\$42	\$549	
2010	5	\$372	0	\$211	\$583	0	0	0	\$211	\$194	\$112	\$42	\$559	
2011	6	\$377	0	\$216	\$593	0	0	0	\$216	\$198	\$112	\$42	\$569	
2012	7	\$382	0	\$221	\$603	0	0	0	\$221	\$203	\$112	\$42	\$579	
2013	8	\$386	0	\$227	\$613	0	0	0	\$227	\$208	\$112	\$42	\$589	
2014	9	\$391	0	\$232	\$623	0	0	0	\$232	\$213	\$112	\$42	\$599	
2015	10	\$396	0	\$238	\$633	0	0	0	\$238	\$218	\$112	\$42	\$610	
2016	11	\$400	0	\$243	\$644	0	0	0	\$243	\$223	\$112	\$42	\$621	
2017	12	\$405	0	\$249	\$654	0	0	0	\$249	\$229	\$112	\$42	\$632	
2018	13	\$410	0	\$255	\$665	0	0	0	\$255	\$234	\$112	\$42	\$643	
2019	14	\$414	100	\$261	\$776	0	0	0	\$261	\$240	\$112	\$42	\$655	
2020	15	\$419	350	\$268	\$1,037	2,929	(5,495)	2,355	\$268	\$246	\$112	\$42	\$456	
2021	16	\$424	0	\$274	\$698	0	0	0	\$274	\$252	\$112	\$42	\$680	
2022	17	\$428	0	\$281	\$709	0	0	0	\$281	\$258	\$112	\$42	\$692	
2023	18	\$433	0	\$287	\$720	0	0	0	\$287	\$264	\$112	\$42	\$705	
2024	19	\$438	0	\$294	\$732	0	0	0	\$294	\$270	\$112	\$42	\$718	
2025	20	\$442	0	\$301	\$744	0	0	0	\$301	\$277	\$112	\$42	\$732	

Present Value of Benefits \$6,764

Present Value of Costs \$5,756

Benefit/Cost Ratio	1.18
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Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Replacement Program
Summary of RIM Test and Participants Test Results**

	<u>Proposed Allowance</u>	<u>Participants Test</u>	<u>RIM Test</u>
Gas Storage Tank Water Heating	\$525	1.52	1.09
Gas Tankless Water Heating	\$525	1.40	1.06
Gas Heating	\$625	1.18	1.07
Gas Clothes Drying	\$100	1.33	1.16
Gas Cooking	\$100	1.30	1.14

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Replacement Program
RIM Test and Participants Test Results**

For

Storage Tank Water Heating

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Storage Tank Water Heating

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment Cost	Gas Installation Costs	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1								Table 2	Table 3	Table 4	
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$536	\$525	\$36	\$1,097	\$259	(\$314)	\$550	\$36	\$168	\$107	\$41	\$846
2007	2	\$543	0	\$37	\$580	0	0	0	\$37	\$172	\$107	\$41	\$356
2008	3	\$550	0	\$38	\$588	0	0	0	\$38	\$176	\$107	\$41	\$361
2009	4	\$557	0	\$39	\$596	0	0	0	\$39	\$181	\$107	\$41	\$366
2010	5	\$564	0	\$40	\$604	0	0	0	\$40	\$185	\$107	\$41	\$372
2011	6	\$571	0	\$41	\$612	0	0	0	\$41	\$189	\$107	\$41	\$377
2012	7	\$578	0	\$42	\$620	0	0	0	\$42	\$194	\$107	\$41	\$383
2013	8	\$585	0	\$43	\$628	0	0	0	\$43	\$199	\$107	\$41	\$388
2014	9	\$592	0	\$44	\$636	0	0	0	\$44	\$203	\$107	\$41	\$394
2015	10	\$599	0	\$45	\$644	0	0	0	\$45	\$208	\$107	\$41	\$400
2016	11	\$607	0	\$46	\$652	0	0	0	\$46	\$213	\$107	\$41	\$406
2017	12	\$614	0	\$47	\$660	0	0	0	\$47	\$218	\$107	\$41	\$412
2018	13	\$621	0	\$48	\$669	0	0	0	\$48	\$224	\$107	\$41	\$419
2019	14	\$628	350	\$49	\$1,027	361	(438)	558	\$49	\$229	\$107	\$41	\$906
2020	15	\$635	0	\$50	\$685	0	0	0	\$50	\$235	\$107	\$41	\$432
2021	16	\$642	0	\$51	\$693	0	0	0	\$51	\$240	\$107	\$41	\$439
2022	17	\$649	0	\$53	\$702	0	0	0	\$53	\$246	\$107	\$41	\$446
2023	18	\$656	0	\$54	\$710	0	0	0	\$54	\$252	\$107	\$41	\$453
2024	19	\$663	0	\$55	\$718	0	0	0	\$55	\$258	\$107	\$41	\$460
2025	20	\$670	0	\$56	\$727	0	0	0	\$56	\$264	\$107	\$41	\$468

Present Value of Benefits \$6,775

Present Value of Costs \$4,457

Benefit/Cost Ratio	1.52
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Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Calculated Data (Revised July 10, 2006)

Appliance Type	
Storage Tank Water Heating	

PGA Rate Escalator 2.4%
 Base Rate Escalator 0.0%
 Electric Rate Escalator 2.4%

Depreciation Rate - Supply Main 2.60%
 Depreciation Rate - Development Main 2.60%
 Depreciation Rate - Service Line 3.20%
 Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
 Customer Charge - Electric 0%
 Inflation factor 2.4%

Table 1

Revenue - Energy Charge				
	1	2	3	2*3
Year	Therms	Base Rate	Total Rate	
2006	170	\$0.5699	\$97	
2007	170	\$0.5699	\$97	
2008	170	\$0.5699	\$97	
2009	170	\$0.5699	\$97	
2010	170	\$0.5699	\$97	
2011	170	\$0.5699	\$97	
2012	170	\$0.5699	\$97	
2013	170	\$0.5699	\$97	
2014	170	\$0.5699	\$97	
2015	170	\$0.5699	\$97	
2016	170	\$0.5699	\$97	
2017	170	\$0.5699	\$97	
2018	170	\$0.5699	\$97	
2019	170	\$0.5699	\$97	
2020	170	\$0.5699	\$97	
2021	170	\$0.5699	\$97	
2022	170	\$0.5699	\$97	
2023	170	\$0.5699	\$97	
2024	170	\$0.5699	\$97	
2025	170	\$0.5699	\$97	

Table 1a

Revenue - Cost of Gas				
	1	2	4	2*3
Year	Therms	PGA Rate	Total Rate	
2006	170	\$0.9000	\$153	
2007	170	\$0.9216	\$157	
2008	170	\$0.9437	\$160	
2009	170	\$0.9664	\$164	
2010	170	\$0.9896	\$168	
2011	170	\$1.0133	\$172	
2012	170	\$1.0376	\$176	
2013	170	\$1.0625	\$181	
2014	170	\$1.0880	\$185	
2015	170	\$1.1141	\$189	
2016	170	\$1.1409	\$194	
2017	170	\$1.1683	\$199	
2018	170	\$1.1963	\$203	
2019	170	\$1.2250	\$208	
2020	170	\$1.2544	\$213	
2021	170	\$1.2845	\$218	
2022	170	\$1.3154	\$224	
2023	170	\$1.3469	\$229	
2024	170	\$1.3792	\$234	
2025	170	\$1.4123	\$240	

Table 2

Revenue - Customer Charge				
	1	2	3	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg.
2006	\$8.00	\$96.00	38.37%	\$37
2007	\$8.00	\$96.00	38.37%	\$37
2008	\$8.00	\$96.00	38.37%	\$37
2009	\$8.00	\$96.00	38.37%	\$37
2010	\$8.00	\$96.00	38.37%	\$37
2011	\$8.00	\$96.00	38.37%	\$37
2012	\$8.00	\$96.00	38.37%	\$37
2013	\$8.00	\$96.00	38.37%	\$37
2014	\$8.00	\$96.00	38.37%	\$37
2015	\$8.00	\$96.00	38.37%	\$37
2016	\$8.00	\$96.00	38.37%	\$37
2017	\$8.00	\$96.00	38.37%	\$37
2018	\$8.00	\$96.00	38.37%	\$37
2019	\$8.00	\$96.00	38.37%	\$37
2020	\$8.00	\$96.00	38.37%	\$37
2021	\$8.00	\$96.00	38.37%	\$37
2022	\$8.00	\$96.00	38.37%	\$37
2023	\$8.00	\$96.00	38.37%	\$37
2024	\$8.00	\$96.00	38.37%	\$37
2025	\$8.00	\$96.00	38.37%	\$37

Table 3

Investment Carrying Costs									
	1	2	3	4	5	6	7	8	6**8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total Mains & Svc.	Carrying Chg	
2006	\$0	\$280	\$294	\$88	\$652	8.00%	38.37%	\$20	
2007	\$0	\$273	\$285	\$85	\$643	8.00%	38.37%	\$20	
2008	\$0	\$266	\$276	\$82	\$624	8.00%	38.37%	\$19	
2009	\$0	\$259	\$267	\$79	\$605	8.00%	38.37%	\$19	
2010	\$0	\$252	\$258	\$76	\$586	8.00%	38.37%	\$18	
2011	\$0	\$245	\$250	\$73	\$568	8.00%	38.37%	\$17	
2012	\$0	\$239	\$242	\$71	\$552	8.00%	38.37%	\$17	
2013	\$0	\$233	\$234	\$69	\$536	8.00%	38.37%	\$16	
2014	\$0	\$227	\$227	\$67	\$521	8.00%	38.37%	\$16	
2015	\$0	\$221	\$220	\$65	\$506	8.00%	38.37%	\$16	
2016	\$0	\$215	\$213	\$63	\$491	8.00%	38.37%	\$15	
2017	\$0	\$209	\$206	\$61	\$476	8.00%	38.37%	\$15	
2018	\$0	\$204	\$199	\$59	\$462	8.00%	38.37%	\$14	
2019	\$0	\$199	\$193	\$57	\$449	8.00%	38.37%	\$14	
2020	\$0	\$194	\$187	\$55	\$436	8.00%	38.37%	\$13	
2021	\$0	\$189	\$181	\$53	\$423	8.00%	38.37%	\$13	
2022	\$0	\$184	\$175	\$51	\$410	8.00%	38.37%	\$13	
2023	\$0	\$179	\$169	\$49	\$397	8.00%	38.37%	\$12	
2024	\$0	\$174	\$164	\$47	\$385	8.00%	38.37%	\$12	
2025	\$0	\$169	\$159	\$45	\$373	8.00%	38.37%	\$11	

Table 4

Incremental Customer Costs									
	1	2	3	4	5=3*4	6	7	8=6*7	5+8
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost	Now Customer Adm. & Main O&M	
2006	\$2.02	\$24	38.37%	\$ 9.21	\$ 36	38.37%	\$15	\$24	
2007	\$2.07	\$25	38.37%	\$ 9.59	\$ 39	38.37%	\$15	\$25	
2008	\$2.12	\$26	38.37%	\$ 9.98	\$ 40	38.37%	\$15	\$26	
2009	\$2.17	\$26	38.37%	\$ 9.98	\$ 41	38.37%	\$16	\$26	
2010	\$2.22	\$27	38.37%	\$ 10.36	\$ 42	38.37%	\$16	\$27	
2011	\$2.27	\$27	38.37%	\$ 10.36	\$ 43	38.37%	\$16	\$27	
2012	\$2.33	\$28	38.37%	\$ 10.74	\$ 44	38.37%	\$17	\$28	
2013	\$2.38	\$29	38.37%	\$ 11.13	\$ 45	38.37%	\$17	\$28	
2014	\$2.44	\$29	38.37%	\$ 11.13	\$ 46	38.37%	\$18	\$29	
2015	\$2.50	\$30	38.37%	\$ 11.51	\$ 47	38.37%	\$18	\$30	
2016	\$2.56	\$31	38.37%	\$ 11.90	\$ 48	38.37%	\$19	\$31	
2017	\$2.62	\$31	38.37%	\$ 11.90	\$ 49	38.37%	\$19	\$32	
2018	\$2.69	\$32	38.37%	\$ 12.28	\$ 50	38.37%	\$20	\$32	
2019	\$2.75	\$33	38.37%	\$ 12.66	\$ 52	38.37%	\$20	\$33	
2020	\$2.82	\$34	38.37%	\$ 13.05	\$ 53	38.37%	\$21	\$34	
2021	\$2.88	\$35	38.37%	\$ 13.43	\$ 54	38.37%	\$21	\$35	
2022	\$2.95	\$36	38.37%	\$ 13.81	\$ 55	38.37%	\$22	\$36	
2023	\$3.02	\$36	38.37%	\$ 13.81	\$ 57	38.37%	\$22	\$37	
2024	\$3.10	\$37	38.37%	\$ 14.20	\$ 58	38.37%	\$23	\$38	
2025	\$3.17	\$38	38.37%	\$ 14.58	\$ 59	38.37%	\$23	\$39	

Table 5

Gas Costs				
	1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost	
2006	170	0.9000	\$153	
2007	170	0.9216	\$157	
2008	170	0.9437	\$160	
2009	170	0.9664	\$164	
2010	170	0.9896	\$168	
2011	170	1.0133	\$172	
2012	170	1.0376	\$176	
2013	170	1.0625	\$181	
2014	170	1.0880	\$185	
2015	170	1.1141	\$189	
2016	170	1.1409	\$194	
2017	170	1.1683	\$199	
2018	170	1.1963	\$203	
2019	170	1.2250	\$208	
2020	170	1.2544	\$213	
2021	170	1.2845	\$218	
2022	170	1.3154	\$224	
2023	170	1.3469	\$229	
2024	170	1.3792	\$234	
2025	170	1.4123	\$240	

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Storage Tank Water Heating

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue Gas	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs
	Table 1	Table 1A	Table 2	2 thru 4	Table 5	Table 3	Table 4		
	1	2	3	4	6	7	8	9	6 thru 9
2006	\$97	\$153	\$37	\$287	\$153	\$20	\$24	\$526	\$723
2007	\$97	\$157	\$37	\$290	\$157	\$20	\$24	\$1	\$202
2008	\$97	\$160	\$37	\$294	\$160	\$19	\$25	\$1	\$205
2009	\$97	\$164	\$37	\$298	\$164	\$19	\$26	\$1	\$209
2010	\$97	\$168	\$37	\$302	\$168	\$18	\$26	\$1	\$213
2011	\$97	\$172	\$37	\$306	\$172	\$17	\$27	\$1	\$217
2012	\$97	\$176	\$37	\$310	\$176	\$17	\$28	\$1	\$222
2013	\$97	\$181	\$37	\$314	\$181	\$16	\$28	\$1	\$226
2014	\$97	\$185	\$37	\$319	\$185	\$16	\$29	\$1	\$230
2015	\$97	\$189	\$37	\$323	\$189	\$16	\$30	\$1	\$235
2016	\$97	\$194	\$37	\$328	\$194	\$15	\$30	\$1	\$240
2017	\$97	\$199	\$37	\$332	\$199	\$15	\$31	\$1	\$245
2018	\$97	\$203	\$37	\$337	\$203	\$14	\$32	\$1	\$250
2019	\$97	\$208	\$37	\$342	\$208	\$14	\$32	\$351	\$605
2020	\$97	\$213	\$37	\$347	\$213	\$13	\$33	\$1	\$261
2021	\$97	\$218	\$37	\$352	\$218	\$13	\$34	\$1	\$266
2022	\$97	\$224	\$37	\$357	\$224	\$13	\$35	\$1	\$272
2023	\$97	\$229	\$37	\$363	\$229	\$12	\$36	\$1	\$277
2024	\$97	\$234	\$37	\$368	\$234	\$12	\$36	\$1	\$284
2025	\$97	\$240	\$37	\$374	\$240	\$11	\$37	\$1	\$290

Present Value
of Benefits

\$3,103

Present Value
of Costs

\$2,845

Benefit/Cost
Ratio

1.09

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type
Storage Tank Water Heating

O&M expense	2.4%	PGA Gas Rates	2.4%	Customer Charge	0%
Electric rates (fu	2.4%	PGA Base Rate	0.0%		

Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	4,773	10%	\$536
2007	\$0.1034	4,773	10%	\$543
2008	\$0.1047	4,773	10%	\$550
2009	\$0.1061	4,773	10%	\$557
2010	\$0.1074	4,773	10%	\$564
2011	\$0.1088	4,773	10%	\$571
2012	\$0.1101	4,773	10%	\$578
2013	\$0.1115	4,773	10%	\$585
2014	\$0.1128	4,773	10%	\$592
2015	\$0.1142	4,773	10%	\$599
2016	\$0.1155	4,773	10%	\$607
2017	\$0.1169	4,773	10%	\$614
2018	\$0.1182	4,773	10%	\$621
2019	\$0.1196	4,773	10%	\$628
2020	\$0.1209	4,773	10%	\$635
2021	\$0.1223	4,773	10%	\$642
2022	\$0.1236	4,773	10%	\$649
2023	\$0.1250	4,773	10%	\$656
2024	\$0.1263	4,773	10%	\$663
2025	\$0.1277	4,773	10%	\$670

Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9000	170	10%	\$168
2007	\$0.9216	170	10%	\$172
2008	\$0.9437	170	10%	\$176
2009	\$0.9664	170	10%	\$181
2010	\$0.9896	170	10%	\$185
2011	\$1.0133	170	10%	\$189
2012	\$1.0376	170	10%	\$194
2013	\$1.0625	170	10%	\$199
2014	\$1.0880	170	10%	\$203
2015	\$1.1141	170	10%	\$208
2016	\$1.1409	170	10%	\$213
2017	\$1.1683	170	10%	\$218
2018	\$1.1963	170	10%	\$224
2019	\$1.2250	170	10%	\$229
2020	\$1.2544	170	10%	\$235
2021	\$1.2845	170	10%	\$240
2022	\$1.3154	170	10%	\$246
2023	\$1.3469	170	10%	\$252
2024	\$1.3792	170	10%	\$258
2025	\$1.4123	170	10%	\$264

Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	170	10%	\$107
2007	\$0.5699	170	10%	\$107
2008	\$0.5699	170	10%	\$107
2009	\$0.5699	170	10%	\$107
2010	\$0.5699	170	10%	\$107
2011	\$0.5699	170	10%	\$107
2012	\$0.5699	170	10%	\$107
2013	\$0.5699	170	10%	\$107
2014	\$0.5699	170	10%	\$107
2015	\$0.5699	170	10%	\$107
2016	\$0.5699	170	10%	\$107
2017	\$0.5699	170	10%	\$107
2018	\$0.5699	170	10%	\$107
2019	\$0.5699	170	10%	\$107
2020	\$0.5699	170	10%	\$107
2021	\$0.5699	170	10%	\$107
2022	\$0.5699	170	10%	\$107
2023	\$0.5699	170	10%	\$107
2024	\$0.5699	170	10%	\$107
2025	\$0.5699	170	10%	\$107

Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2007	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2008	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2009	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2010	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2011	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2012	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2013	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2014	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2015	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2016	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2017	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2018	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2019	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2020	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2021	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2022	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2023	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2024	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2025	\$8.00	\$96.00	170	443	38.37%	10%	\$41

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Replacement Program
RIM Test and Participants Test Results**

For

Tankless Water Heating

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Tankless Water Heating

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs
	Table 1	Table 1A	Table 2	2 thru 4	Table 5	Table 3	Table 4	9	6 thru 9
	1	2	3	4	6	7	8		
2006	\$85	\$135	\$37	\$257	\$135	\$20	\$24	\$526	\$705
2007	\$85	\$138	\$37	\$261	\$138	\$20	\$24	\$1	\$183
2008	\$85	\$142	\$37	\$264	\$142	\$19	\$25	\$1	\$186
2009	\$85	\$145	\$37	\$267	\$145	\$19	\$26	\$1	\$190
2010	\$85	\$148	\$37	\$271	\$148	\$18	\$26	\$1	\$194
2011	\$85	\$152	\$37	\$274	\$152	\$17	\$27	\$1	\$197
2012	\$85	\$156	\$37	\$278	\$156	\$17	\$28	\$1	\$201
2013	\$85	\$159	\$37	\$282	\$159	\$16	\$28	\$1	\$205
2014	\$85	\$163	\$37	\$286	\$163	\$16	\$29	\$1	\$209
2015	\$85	\$167	\$37	\$289	\$167	\$16	\$30	\$1	\$213
2016	\$85	\$171	\$37	\$293	\$171	\$15	\$30	\$1	\$217
2017	\$85	\$175	\$37	\$298	\$175	\$15	\$31	\$1	\$221
2018	\$85	\$179	\$37	\$302	\$179	\$14	\$32	\$1	\$226
2019	\$85	\$184	\$37	\$306	\$184	\$14	\$32	\$1	\$231
2020	\$85	\$188	\$37	\$310	\$188	\$13	\$33	\$1	\$236
2021	\$85	\$193	\$37	\$315	\$193	\$13	\$34	\$1	\$241
2022	\$85	\$197	\$37	\$320	\$197	\$13	\$35	\$1	\$245
2023	\$85	\$202	\$37	\$324	\$202	\$12	\$36	\$1	\$251
2024	\$85	\$207	\$37	\$329	\$207	\$12	\$36	\$1	\$256
2025	\$85	\$212	\$37	\$334	\$212	\$11	\$37	\$451	\$711

Present Value
of Benefits

\$2,781

Present Value
of Costs

\$2,612

Ratio

1.06

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Tankless Water Heating

Year	Year Number	Benefits				Costs								
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment Cost	Gas Installation Costs	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS	
		Table 1								Table 2		Table 3	Table 4	
	1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1		\$536	\$525	\$36	\$1,097	\$950	(\$314)	\$500	\$36	\$149	\$94	\$36	\$1,450
2007	2		\$543	0	\$37	\$580	0	0	0	\$37	\$152	\$94	\$36	\$319
2008	3		\$550	0	\$38	\$588	0	0	0	\$38	\$156	\$94	\$36	\$323
2009	4		\$557	0	\$39	\$596	0	0	0	\$39	\$159	\$94	\$36	\$328
2010	5		\$564	0	\$40	\$604	0	0	0	\$40	\$163	\$94	\$36	\$333
2011	6		\$571	0	\$41	\$612	0	0	0	\$41	\$167	\$94	\$36	\$338
2012	7		\$578	0	\$42	\$620	0	0	0	\$42	\$171	\$94	\$36	\$342
2013	8		\$585	0	\$43	\$628	0	0	0	\$43	\$175	\$94	\$36	\$348
2014	9		\$592	0	\$44	\$636	0	0	0	\$44	\$180	\$94	\$36	\$353
2015	10		\$599	0	\$45	\$644	0	0	0	\$45	\$184	\$94	\$36	\$358
2016	11		\$607	0	\$46	\$652	0	0	0	\$46	\$188	\$94	\$36	\$364
2017	12		\$614	0	\$47	\$660	0	0	0	\$47	\$193	\$94	\$36	\$369
2018	13		\$621	0	\$48	\$669	0	0	0	\$48	\$197	\$94	\$36	\$375
2019	14		\$628	0	\$49	\$677	0	0	0	\$49	\$202	\$94	\$36	\$381
2020	15		\$635	0	\$50	\$685	0	0	0	\$50	\$207	\$94	\$36	\$387
2021	16		\$642	0	\$51	\$693	0	0	0	\$51	\$212	\$94	\$36	\$393
2022	17		\$649	0	\$53	\$702	0	0	0	\$53	\$217	\$94	\$36	\$399
2023	18		\$656	0	\$54	\$710	0	0	0	\$54	\$222	\$94	\$36	\$406
2024	19		\$663	0	\$55	\$718	0	0	0	\$55	\$228	\$94	\$36	\$413
2025	20		\$670	450	\$56	\$1,177	1,527	(505)	562	\$56	\$233	\$94	\$36	\$2,004

Present Value of Benefits \$6,753

Present Value of Costs \$4,825

Benefit/Cost Ratio	1.40
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Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data (Revised July 10, 2006)

Appliance Type	
Tankless Water Heating	

O&M expense	2%	PGA Gas Ra	2%	Customer Ct	0%
Electric rates (fu)	2%	PGA Base R.	0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	4,773	10.00%	\$536
2007	\$0.1034	4,773	10.00%	\$543
2008	\$0.1047	4,773	10.00%	\$550
2009	\$0.1061	4,773	10.00%	\$557
2010	\$0.1074	4,773	10.00%	\$564
2011	\$0.1088	4,773	10.00%	\$571
2012	\$0.1101	4,773	10.00%	\$578
2013	\$0.1115	4,773	10.00%	\$585
2014	\$0.1128	4,773	10.00%	\$592
2015	\$0.1142	4,773	10.00%	\$599
2016	\$0.1155	4,773	10.00%	\$607
2017	\$0.1169	4,773	10.00%	\$614
2018	\$0.1182	4,773	10.00%	\$621
2019	\$0.1196	4,773	10.00%	\$628
2020	\$0.1209	4,773	10.00%	\$635
2021	\$0.1223	4,773	10.00%	\$642
2022	\$0.1236	4,773	10.00%	\$649
2023	\$0.1250	4,773	10.00%	\$656
2024	\$0.1263	4,773	10.00%	\$663
2025	\$0.1277	4,773	10.00%	\$670

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9000	150	10.00%	\$149
2007	\$0.9216	150	10.00%	\$152
2008	\$0.9437	150	10.00%	\$156
2009	\$0.9664	150	10.00%	\$159
2010	\$0.9896	150	10.00%	\$163
2011	\$1.0133	150	10.00%	\$167
2012	\$1.0376	150	10.00%	\$171
2013	\$1.0625	150	10.00%	\$175
2014	\$1.0880	150	10.00%	\$180
2015	\$1.1141	150	10.00%	\$184
2016	\$1.1409	150	10.00%	\$188
2017	\$1.1683	150	10.00%	\$193
2018	\$1.1963	150	10.00%	\$197
2019	\$1.2250	150	10.00%	\$202
2020	\$1.2544	150	10.00%	\$207
2021	\$1.2845	150	10.00%	\$212
2022	\$1.3154	150	10.00%	\$217
2023	\$1.3469	150	10.00%	\$222
2024	\$1.3792	150	10.00%	\$228
2025	\$1.4123	150	10.00%	\$233

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	150	10.00%	\$94
2007	\$0.5699	150	10.00%	\$94
2008	\$0.5699	150	10.00%	\$94
2009	\$0.5699	150	10.00%	\$94
2010	\$0.5699	150	10.00%	\$94
2011	\$0.5699	150	10.00%	\$94
2012	\$0.5699	150	10.00%	\$94
2013	\$0.5699	150	10.00%	\$94
2014	\$0.5699	150	10.00%	\$94
2015	\$0.5699	150	10.00%	\$94
2016	\$0.5699	150	10.00%	\$94
2017	\$0.5699	150	10.00%	\$94
2018	\$0.5699	150	10.00%	\$94
2019	\$0.5699	150	10.00%	\$94
2020	\$0.5699	150	10.00%	\$94
2021	\$0.5699	150	10.00%	\$94
2022	\$0.5699	150	10.00%	\$94
2023	\$0.5699	150	10.00%	\$94
2024	\$0.5699	150	10.00%	\$94
2025	\$0.5699	150	10.00%	\$94

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8	\$96.00	150	443	33.86%	10.00%	\$36
2007	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2008	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2009	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2010	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2011	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2012	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2013	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2014	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2015	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2016	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2017	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2018	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2019	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2020	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2021	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2022	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2023	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2024	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2025	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Calculated Data (Revised July 10, 2006)**

Appliance Type	
Tankless Water Heating	

PGA Rate Escalator 2%
Base Rate Escalator 0%
Electric Rate Escalator 2%

Depreciation Rate - Supply Main 2.60%
Depreciation Rate - Development Main 2.60%
Depreciation Rate - Service Line 3.20%
Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
Customer Charge - Electric 0%
Inflation factor 2%

Table 1

Revenue - Energy Charge				
1	2	3	2*3	
Year	Therms	Base Rate	Total Rate	
2006	150	\$0.5699	\$85	
2007	150	\$0.5699	\$85	
2008	150	\$0.5699	\$85	
2009	150	\$0.5699	\$85	
2010	150	\$0.5699	\$85	
2011	150	\$0.5699	\$85	
2012	150	\$0.5699	\$85	
2013	150	\$0.5699	\$85	
2014	150	\$0.5699	\$85	
2015	150	\$0.5699	\$85	
2016	150	\$0.5699	\$85	
2017	150	\$0.5699	\$85	
2018	150	\$0.5699	\$85	
2019	150	\$0.5699	\$85	
2020	150	\$0.5699	\$85	
2021	150	\$0.5699	\$85	
2022	150	\$0.5699	\$85	
2023	150	\$0.5699	\$85	
2024	150	\$0.5699	\$85	
2025	150	\$0.5699	\$85	

Table 1a

Revenue - Cost of Gas				
1	2	4	2*3	
Year	Therms	PGA Rate	Total Rate	
2006	150	\$0.9000	\$135	
2007	150	\$0.9216	\$138	
2008	150	\$0.9437	\$142	
2009	150	\$0.9694	\$145	
2010	150	\$0.9896	\$148	
2011	150	\$1.0133	\$152	
2012	150	\$1.0376	\$156	
2013	150	\$1.0625	\$159	
2014	150	\$1.0880	\$163	
2015	150	\$1.1141	\$167	
2016	150	\$1.1409	\$171	
2017	150	\$1.1683	\$175	
2018	150	\$1.1963	\$179	
2019	150	\$1.2250	\$184	
2020	150	\$1.2544	\$188	
2021	150	\$1.2845	\$193	
2022	150	\$1.3154	\$197	
2023	150	\$1.3469	\$202	
2024	150	\$1.3792	\$207	
2025	150	\$1.4123	\$212	

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg
2006	\$8.00	\$96.00	38.37%	\$37
2007	\$8.00	\$96.00	38.37%	\$37
2008	\$8.00	\$96.00	38.37%	\$37
2009	\$8.00	\$96.00	38.37%	\$37
2010	\$8.00	\$96.00	38.37%	\$37
2011	\$8.00	\$96.00	38.37%	\$37
2012	\$8.00	\$96.00	38.37%	\$37
2013	\$8.00	\$96.00	38.37%	\$37
2014	\$8.00	\$96.00	38.37%	\$37
2015	\$8.00	\$96.00	38.37%	\$37
2016	\$8.00	\$96.00	38.37%	\$37
2017	\$8.00	\$96.00	38.37%	\$37
2018	\$8.00	\$96.00	38.37%	\$37
2019	\$8.00	\$96.00	38.37%	\$37
2020	\$8.00	\$96.00	38.37%	\$37
2021	\$8.00	\$96.00	38.37%	\$37
2022	\$8.00	\$96.00	38.37%	\$37
2023	\$8.00	\$96.00	38.37%	\$37
2024	\$8.00	\$96.00	38.37%	\$37
2025	\$8.00	\$96.00	38.37%	\$37

Table 3

Investment Carrying Costs									
1	2	3	4	5	6	7	8	6*7*8	
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total	Carrying Chg Mains & Svc	
2006	\$0	\$280	\$294	\$88	\$662	8.00%	38.37%	\$20	
2007	\$0	\$273	\$285	\$85	\$643	8.00%	38.37%	\$20	
2008	\$0	\$266	\$276	\$82	\$624	8.00%	38.37%	\$19	
2009	\$0	\$259	\$267	\$79	\$605	8.00%	38.37%	\$19	
2010	\$0	\$252	\$258	\$76	\$586	8.00%	38.37%	\$18	
2011	\$0	\$245	\$250	\$73	\$568	8.00%	38.37%	\$17	
2012	\$0	\$239	\$242	\$71	\$552	8.00%	38.37%	\$17	
2013	\$0	\$233	\$234	\$69	\$536	8.00%	38.37%	\$16	
2014	\$0	\$227	\$227	\$67	\$521	8.00%	38.37%	\$16	
2015	\$0	\$221	\$220	\$65	\$506	8.00%	38.37%	\$16	
2016	\$0	\$215	\$213	\$63	\$491	8.00%	38.37%	\$15	
2017	\$0	\$209	\$206	\$61	\$476	8.00%	38.37%	\$15	
2018	\$0	\$204	\$199	\$59	\$462	8.00%	38.37%	\$14	
2019	\$0	\$199	\$193	\$57	\$449	8.00%	38.37%	\$14	
2020	\$0	\$194	\$187	\$55	\$436	8.00%	38.37%	\$13	
2021	\$0	\$189	\$181	\$53	\$423	8.00%	38.37%	\$13	
2022	\$0	\$184	\$175	\$51	\$410	8.00%	38.37%	\$13	
2023	\$0	\$179	\$169	\$49	\$397	8.00%	38.37%	\$12	
2024	\$0	\$174	\$164	\$47	\$385	8.00%	38.37%	\$12	
2025	\$0	\$169	\$159	\$45	\$373	8.00%	38.37%	\$11	

Table 4

Incremental Customer Costs									
1	2	3	4	5=3*4	6	7	8=6*7	9=8	
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost	New Customer Adm. & Main O&M	
2006	\$2.02	\$24	38.37%	\$ 9.21	\$ 38	38.37%	\$15	\$24	
2007	\$2.07	\$25	38.37%	\$ 9.59	\$ 39	38.37%	\$15	\$24	
2008	\$2.12	\$25	38.37%	\$ 9.59	\$ 40	38.37%	\$15	\$25	
2009	\$2.17	\$26	38.37%	\$ 9.98	\$ 41	38.37%	\$16	\$26	
2010	\$2.22	\$27	38.37%	\$ 10.36	\$ 42	38.37%	\$16	\$26	
2011	\$2.27	\$27	38.37%	\$ 10.36	\$ 43	38.37%	\$16	\$27	
2012	\$2.33	\$28	38.37%	\$ 10.74	\$ 44	38.37%	\$17	\$28	
2013	\$2.38	\$29	38.37%	\$ 11.13	\$ 45	38.37%	\$17	\$28	
2014	\$2.44	\$29	38.37%	\$ 11.13	\$ 46	38.37%	\$18	\$29	
2015	\$2.50	\$30	38.37%	\$ 11.51	\$ 47	38.37%	\$18	\$30	
2016	\$2.56	\$31	38.37%	\$ 11.90	\$ 48	38.37%	\$18	\$30	
2017	\$2.62	\$31	38.37%	\$ 11.90	\$ 49	38.37%	\$19	\$31	
2018	\$2.69	\$32	38.37%	\$ 12.28	\$ 50	38.37%	\$19	\$31	
2019	\$2.75	\$33	38.37%	\$ 12.66	\$ 51	38.37%	\$19	\$32	
2020	\$2.82	\$34	38.37%	\$ 13.05	\$ 52	38.37%	\$20	\$33	
2021	\$2.88	\$35	38.37%	\$ 13.43	\$ 53	38.37%	\$21	\$34	
2022	\$2.95	\$35	38.37%	\$ 13.43	\$ 55	38.37%	\$21	\$35	
2023	\$3.02	\$36	38.37%	\$ 13.81	\$ 57	38.37%	\$22	\$36	
2024	\$3.10	\$37	38.37%	\$ 14.20	\$ 58	38.37%	\$22	\$36	
2025	\$3.17	\$38	38.37%	\$ 14.58	\$ 59	38.37%	\$23	\$37	

Table 5

Gas Costs				
1	2	3	2*3	
Year	Therms	Per Therm Supply Cost	Gas Supply Cost	
2006	150	0.9000	\$135	
2007	150	\$0.9216	\$138	
2008	150	\$0.9437	\$142	
2009	150	\$0.9694	\$145	
2010	150	\$0.9896	\$148	
2011	150	\$1.0133	\$152	
2012	150	\$1.0376	\$156	
2013	150	\$1.0625	\$159	
2014	150	\$1.0880	\$163	
2015	150	\$1.1141	\$167	
2016	150	\$1.1409	\$171	
2017	150	\$1.1683	\$175	
2018	150	\$1.1963	\$179	
2019	150	\$1.2250	\$184	
2020	150	\$1.2544	\$188	
2021	150	\$1.2845	\$193	
2022	150	\$1.3154	\$197	
2023	150	\$1.3469	\$202	
2024	150	\$1.3792	\$207	
2025	150	\$1.4123	\$212	

Appliance Type
Heating System

Florida Public Utilities Company (FPUc) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Calculated Data (Revised July 10, 2006)

Year	Therms	Base Rate	Total Rate
1	2	3	2+3
2006	178	\$0.5699	\$101
2007	178	\$0.5699	\$101
2008	178	\$0.5699	\$101
2009	178	\$0.5699	\$101
2010	178	\$0.5699	\$101
2011	178	\$0.5699	\$101
2012	178	\$0.5699	\$101
2013	178	\$0.5699	\$101
2014	178	\$0.5699	\$101
2015	178	\$0.5699	\$101
2016	178	\$0.5699	\$101
2017	178	\$0.5699	\$101
2018	178	\$0.5699	\$101
2019	178	\$0.5699	\$101
2020	178	\$0.5699	\$101
2021	178	\$0.5699	\$101
2022	178	\$0.5699	\$101
2023	178	\$0.5699	\$101
2024	178	\$0.5699	\$101
2025	178	\$0.5699	\$101

FPA Rate Escalator 2.4%
Base Rate Escalator 0%
Electric Rate Escalator 2.4%

Year	Supply Main	Development Main	Service Line	Customer Meter	Avg Cost of Debt	Ratio of Therms Consumed to Total	Carrying Chg Mains & Sv
1	2	3	4	5	6	7	6+7+8
2006	\$0	\$290	\$294	\$88	8.00%	40.18%	\$21
2007	\$0	\$273	\$276	\$92	8.00%	40.18%	\$20
2008	\$0	\$259	\$267	\$79	8.00%	40.18%	\$19
2009	\$0	\$252	\$258	\$78	8.00%	40.18%	\$19
2010	\$0	\$239	\$242	\$71	8.00%	40.18%	\$18
2011	\$0	\$230	\$232	\$71	8.00%	40.18%	\$18
2012	\$0	\$239	\$242	\$71	8.00%	40.18%	\$18
2013	\$0	\$239	\$242	\$71	8.00%	40.18%	\$18
2014	\$0	\$239	\$242	\$71	8.00%	40.18%	\$18
2015	\$0	\$221	\$227	\$67	8.00%	40.18%	\$17
2016	\$0	\$215	\$223	\$65	8.00%	40.18%	\$16
2017	\$0	\$209	\$206	\$61	8.00%	40.18%	\$15
2018	\$0	\$204	\$199	\$59	8.00%	40.18%	\$15
2019	\$0	\$199	\$193	\$57	8.00%	40.18%	\$14
2020	\$0	\$194	\$187	\$55	8.00%	40.18%	\$14
2021	\$0	\$189	\$181	\$53	8.00%	40.18%	\$14
2022	\$0	\$184	\$175	\$51	8.00%	40.18%	\$13
2023	\$0	\$179	\$169	\$49	8.00%	40.18%	\$13
2024	\$0	\$174	\$164	\$47	8.00%	40.18%	\$12
2025	\$0	\$169	\$159	\$45	8.00%	40.18%	\$12

Year	Therms	PGA Rate	Total Rate
1	2	3	2+3
2006	178	\$0.9000	\$160
2007	178	\$0.9216	\$164
2008	178	\$0.9437	\$168
2009	178	\$0.9664	\$172
2010	178	\$0.9896	\$176
2011	178	\$1.0133	\$180
2012	178	\$1.0376	\$185
2013	178	\$1.0625	\$189
2014	178	\$1.0880	\$194
2015	178	\$1.1141	\$198
2016	178	\$1.1409	\$203
2017	178	\$1.1683	\$208
2018	178	\$1.1963	\$213
2019	178	\$1.2250	\$218
2020	178	\$1.2544	\$223
2021	178	\$1.2845	\$229
2022	178	\$1.3154	\$234
2023	178	\$1.3469	\$240
2024	178	\$1.3792	\$246
2025	178	\$1.4123	\$251

Depreciation Rate - Supply Main 2.60%
Depreciation Rate - Development Main 3.20%
Depreciation Rate - Service Line 3.30%

Year	Admin. Annual Cost	Ratio Therms To Total Consumed	Customer Total Consumed To Cost	O & M Ratio Therms To Total Consumed Cost	5+6-7	New Customer Mean Adm. & Main O&M
1	2	3	4	5	6	5+8
2006	\$2.02	\$24	\$25	\$9	40.18%	\$28
2007	\$2.07	\$22	\$25	\$9	40.18%	\$28
2008	\$2.12	\$21	\$25	\$9	40.18%	\$28
2009	\$2.17	\$20	\$25	\$9	40.18%	\$28
2010	\$2.22	\$20	\$25	\$9	40.18%	\$28
2011	\$2.27	\$20	\$25	\$9	40.18%	\$28
2012	\$2.33	\$20	\$25	\$9	40.18%	\$28
2013	\$2.38	\$20	\$25	\$9	40.18%	\$28
2014	\$2.44	\$20	\$25	\$9	40.18%	\$28
2015	\$2.50	\$20	\$25	\$9	40.18%	\$28
2016	\$2.56	\$20	\$25	\$9	40.18%	\$28
2017	\$2.62	\$20	\$25	\$9	40.18%	\$28
2018	\$2.69	\$20	\$25	\$9	40.18%	\$28
2019	\$2.75	\$20	\$25	\$9	40.18%	\$28
2020	\$2.82	\$20	\$25	\$9	40.18%	\$28
2021	\$2.89	\$20	\$25	\$9	40.18%	\$28
2022	\$2.95	\$20	\$25	\$9	40.18%	\$28
2023	\$3.02	\$20	\$25	\$9	40.18%	\$28
2024	\$3.10	\$20	\$25	\$9	40.18%	\$28
2025	\$3.17	\$20	\$25	\$9	40.18%	\$28

Year	Customer Annual Charge	Customer Total Rate	Ratio of Therms Consumed
1	2	3	4
2006	\$8.00	\$8.00	40.18%
2007	\$8.00	\$8.00	40.18%
2008	\$8.00	\$8.00	40.18%
2009	\$8.00	\$8.00	40.18%
2010	\$8.00	\$8.00	40.18%
2011	\$8.00	\$8.00	40.18%
2012	\$8.00	\$8.00	40.18%
2013	\$8.00	\$8.00	40.18%
2014	\$8.00	\$8.00	40.18%
2015	\$8.00	\$8.00	40.18%
2016	\$8.00	\$8.00	40.18%
2017	\$8.00	\$8.00	40.18%
2018	\$8.00	\$8.00	40.18%
2019	\$8.00	\$8.00	40.18%
2020	\$8.00	\$8.00	40.18%
2021	\$8.00	\$8.00	40.18%
2022	\$8.00	\$8.00	40.18%
2023	\$8.00	\$8.00	40.18%
2024	\$8.00	\$8.00	40.18%
2025	\$8.00	\$8.00	40.18%

Customer Charge - Gas 0%
Customer Charge - Electric 0%
Inflation Factor 2%

Year	Supply Cost	Gas Supply
1	2	2+3
2006	\$0.9000	\$160
2007	\$0.9216	\$164
2008	\$0.9437	\$168
2009	\$0.9664	\$172
2010	\$0.9896	\$176
2011	\$1.0133	\$180
2012	\$1.0376	\$185
2013	\$1.0625	\$189
2014	\$1.0880	\$194
2015	\$1.1141	\$198
2016	\$1.1409	\$203
2017	\$1.1683	\$208
2018	\$1.1963	\$213
2019	\$1.2250	\$218
2020	\$1.2544	\$223
2021	\$1.2845	\$229
2022	\$1.3154	\$234
2023	\$1.3469	\$240
2024	\$1.3792	\$246
2025	\$1.4123	\$251

Year	Therms	For Them	Gas Supply
1	2	3	2+3
2006	178	\$0.9000	\$160
2007	178	\$0.9216	\$164
2008	178	\$0.9437	\$168
2009	178	\$0.9664	\$172
2010	178	\$0.9896	\$176
2011	178	\$1.0133	\$180
2012	178	\$1.0376	\$185
2013	178	\$1.0625	\$189
2014	178	\$1.0880	\$194
2015	178	\$1.1141	\$198
2016	178	\$1.1409	\$203
2017	178	\$1.1683	\$208
2018	178	\$1.1963	\$213
2019	178	\$1.2250	\$218
2020	178	\$1.2544	\$223
2021	178	\$1.2845	\$229
2022	178	\$1.3154	\$234
2023	178	\$1.3469	\$240
2024	178	\$1.3792	\$246
2025	178	\$1.4123	\$251

Customer Charge - Gas 0%
Customer Charge - Electric 0%
Inflation Factor 2%

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type

Heating System

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4		
	1	2	3	4	2 thru 4	6	7	8	9
									6 thru 9
2006	\$101	\$160	\$39	\$300	\$160	\$21	\$25	\$626	\$832
2007	\$101	\$164	\$39	\$304	\$164	\$21	\$26	\$1	\$211
2008	\$101	\$168	\$39	\$308	\$168	\$20	\$26	\$1	\$215
2009	\$101	\$172	\$39	\$312	\$172	\$19	\$27	\$1	\$219
2010	\$101	\$176	\$39	\$316	\$176	\$19	\$28	\$1	\$223
2011	\$101	\$180	\$39	\$320	\$180	\$18	\$28	\$1	\$227
2012	\$101	\$185	\$39	\$325	\$185	\$18	\$29	\$1	\$232
2013	\$101	\$189	\$39	\$329	\$189	\$17	\$30	\$1	\$237
2014	\$101	\$194	\$39	\$334	\$194	\$17	\$30	\$1	\$241
2015	\$101	\$198	\$39	\$338	\$198	\$16	\$31	\$1	\$246
2016	\$101	\$203	\$39	\$343	\$203	\$16	\$32	\$1	\$251
2017	\$101	\$208	\$39	\$348	\$208	\$15	\$32	\$1	\$256
2018	\$101	\$213	\$39	\$353	\$213	\$15	\$33	\$1	\$262
2019	\$101	\$218	\$39	\$358	\$218	\$14	\$34	\$1	\$267
2020	\$101	\$223	\$39	\$363	\$223	\$14	\$35	\$351	\$623
2021	\$101	\$229	\$39	\$369	\$229	\$14	\$36	\$1	\$279
2022	\$101	\$234	\$39	\$374	\$234	\$13	\$36	\$1	\$284
2023	\$101	\$240	\$39	\$380	\$240	\$13	\$37	\$1	\$291
2024	\$101	\$246	\$39	\$386	\$246	\$12	\$38	\$1	\$297
2025	\$101	\$251	\$39	\$391	\$251	\$12	\$39	\$1	\$303

Present Value
of Benefits

\$3,249

Present Value
of Costs

\$3,034

Ratio

1.07

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type
Heating System

Escalators	0.0%	Electric rate	2.4%	Customer Cf	0%
O&M expense	2.4%	PGA Base R	0.0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	3,150	10.00%	\$353
2007	\$0.1034	3,150	10.00%	\$358
2008	\$0.1047	3,150	10.00%	\$363
2009	\$0.1061	3,150	10.00%	\$368
2010	\$0.1074	3,150	10.00%	\$372
2011	\$0.1088	3,150	10.00%	\$377
2012	\$0.1101	3,150	10.00%	\$382
2013	\$0.1115	3,150	10.00%	\$386
2014	\$0.1128	3,150	10.00%	\$391
2015	\$0.1142	3,150	10.00%	\$396
2016	\$0.1155	3,150	10.00%	\$400
2017	\$0.1169	3,150	10.00%	\$405
2018	\$0.1182	3,150	10.00%	\$410
2019	\$0.1196	3,150	10.00%	\$414
2020	\$0.1209	3,150	10.00%	\$419
2021	\$0.1223	3,150	10.00%	\$424
2022	\$0.1236	3,150	10.00%	\$428
2023	\$0.1250	3,150	10.00%	\$433
2024	\$0.1263	3,150	10.00%	\$438
2025	\$0.1277	3,150	10.00%	\$442

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9000	178	10.00%	\$176
2007	\$0.9216	178	10.00%	\$180
2008	\$0.9437	178	10.00%	\$185
2009	\$0.9664	178	10.00%	\$189
2010	\$0.9896	178	10.00%	\$194
2011	\$1.0133	178	10.00%	\$198
2012	\$1.0376	178	10.00%	\$203
2013	\$1.0625	178	10.00%	\$208
2014	\$1.0880	178	10.00%	\$213
2015	\$1.1141	178	10.00%	\$218
2016	\$1.1409	178	10.00%	\$223
2017	\$1.1683	178	10.00%	\$229
2018	\$1.1963	178	10.00%	\$234
2019	\$1.2250	178	10.00%	\$240
2020	\$1.2544	178	10.00%	\$246
2021	\$1.2845	178	10.00%	\$252
2022	\$1.3154	178	10.00%	\$258
2023	\$1.3469	178	10.00%	\$264
2024	\$1.3792	178	10.00%	\$270
2025	\$1.4123	178	10.00%	\$277

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	178	10.00%	\$112
2007	\$0.5699	178	10.00%	\$112
2008	\$0.5699	178	10.00%	\$112
2009	\$0.5699	178	10.00%	\$112
2010	\$0.5699	178	10.00%	\$112
2011	\$0.5699	178	10.00%	\$112
2012	\$0.5699	178	10.00%	\$112
2013	\$0.5699	178	10.00%	\$112
2014	\$0.5699	178	10.00%	\$112
2015	\$0.5699	178	10.00%	\$112
2016	\$0.5699	178	10.00%	\$112
2017	\$0.5699	178	10.00%	\$112
2018	\$0.5699	178	10.00%	\$112
2019	\$0.5699	178	10.00%	\$112
2020	\$0.5699	178	10.00%	\$112
2021	\$0.5699	178	10.00%	\$112
2022	\$0.5699	178	10.00%	\$112
2023	\$0.5699	178	10.00%	\$112
2024	\$0.5699	178	10.00%	\$112
2025	\$0.5699	178	10.00%	\$112

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2007	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2008	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2009	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2010	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2011	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2012	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2013	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2014	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2015	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2016	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2017	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2018	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2019	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2020	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2021	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2022	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2023	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2024	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42
2025	\$8.00	\$96.00	178	443	40.18%	10.00%	\$42

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Replacement Program
RIM Test and Participants Test Results**

For

Clothes Drying Appliances

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Clothes Drying

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment Cost	Gas Installation Costs	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1						Table 2		Table 3		Table 4	
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$164	\$100	\$36	\$300	\$379	(\$454)	\$350	\$36	\$50	\$31	\$12	\$404
2007	2	\$167	0	\$37	\$203	0	0	0	\$37	\$51	\$31	\$12	\$131
2008	3	\$169	0	\$38	\$207	0	0	0	\$38	\$52	\$31	\$12	\$133
2009	4	\$171	0	\$39	\$210	0	0	0	\$39	\$53	\$31	\$12	\$135
2010	5	\$173	0	\$40	\$213	0	0	0	\$40	\$54	\$31	\$12	\$137
2011	6	\$175	0	\$41	\$216	0	0	0	\$41	\$56	\$31	\$12	\$140
2012	7	\$177	0	\$42	\$219	0	0	0	\$42	\$57	\$31	\$12	\$142
2013	8	\$180	0	\$43	\$222	0	0	0	\$43	\$58	\$31	\$12	\$144
2014	9	\$182	0	\$44	\$225	0	0	0	\$44	\$60	\$31	\$12	\$147
2015	10	\$184	0	\$45	\$229	0	0	0	\$45	\$61	\$31	\$12	\$149
2016	11	\$186	0	\$46	\$232	0	0	0	\$46	\$63	\$31	\$12	\$152
2017	12	\$188	0	\$47	\$235	0	0	0	\$47	\$64	\$31	\$12	\$154
2018	13	\$191	100	\$48	\$338	516	(618)	272	\$48	\$66	\$31	\$12	\$327
2019	14	\$193	0	\$49	\$242	0	0	0	\$49	\$67	\$31	\$12	\$160
2020	15	\$195	0	\$50	\$245	0	0	0	\$50	\$69	\$31	\$12	\$162
2021	16	\$197	0	\$51	\$248	0	0	0	\$51	\$71	\$31	\$12	\$165
2022	17	\$199	0	\$53	\$252	0	0	0	\$53	\$72	\$31	\$12	\$168
2023	18	\$201	0	\$54	\$255	0	0	0	\$54	\$74	\$31	\$12	\$171
2024	19	\$204	0	\$55	\$259	0	0	0	\$55	\$76	\$31	\$12	\$174
2025	20	\$206	0	\$56	\$262	0	0	0	\$56	\$78	\$31	\$12	\$177

Present Value of Benefits \$2,315

Present Value of Costs \$1,742

Benefit/Cost Ratio	1.33
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Appliance Type
Clothes Drying

Table 1

Year	Therms	Base Rate	Total Rate
2006	50	\$0.5699	\$28
2007	50	\$0.5699	\$28
2008	50	\$0.5699	\$28
2009	50	\$0.5699	\$28
2010	50	\$0.5699	\$28
2011	50	\$0.5699	\$28
2012	50	\$0.5699	\$28
2013	50	\$0.5699	\$28
2014	50	\$0.5699	\$28
2015	50	\$0.5699	\$28
2016	50	\$0.5699	\$28
2017	50	\$0.5699	\$28
2018	50	\$0.5699	\$28
2019	50	\$0.5699	\$28
2020	50	\$0.5699	\$28
2021	50	\$0.5699	\$28
2022	50	\$0.5699	\$28
2023	50	\$0.5699	\$28
2024	50	\$0.5699	\$28
2025	50	\$0.5699	\$28

PGA Rate Escalator
Base Rate Escalator
Electric Rate Escalator

2.4%
0%
2.4%

Table 1a

Year	Therms	PGA Rate	Total Rate
2006	50	\$0.5000	\$45
2007	50	\$0.5216	\$48
2008	50	\$0.5437	\$47
2009	50	\$0.5664	\$48
2010	50	\$0.5896	\$49
2011	50	\$1.0133	\$51
2012	50	\$1.0376	\$52
2013	50	\$1.0625	\$53
2014	50	\$1.0880	\$54
2015	50	\$1.1141	\$56
2016	50	\$1.1409	\$57
2017	50	\$1.1683	\$58
2018	50	\$1.1963	\$60
2019	50	\$1.2250	\$61
2020	50	\$1.2544	\$63
2021	50	\$1.2845	\$64
2022	50	\$1.3154	\$66
2023	50	\$1.3469	\$67
2024	50	\$1.3782	\$69
2025	50	\$1.4123	\$71

Depreciation Rate - Supply Main
Depreciation Rate - Development Man
Depreciation Rate - Service Line
Depreciation Rate - Meter

2.00%
3.20%
3.20%

Florida Public Utilities Company (FPUc) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Calculated Data (Revised July 10, 2006)

Table 3

Year	Supply Main	Development Man	Service Line	Meter	Customer Cost	Avg Cost of Dist Consumed to Total Mains & Svc	Ratio of Therms Consumed to Total Mains & Svc
2006	\$0	\$280	\$294	\$88	\$662	\$2.02	11.29%
2007	\$0	\$273	\$285	\$85	\$643	\$2.02	11.29%
2008	\$0	\$266	\$276	\$82	\$624	\$2.12	11.29%
2009	\$0	\$259	\$267	\$79	\$605	\$2.17	11.29%
2010	\$0	\$252	\$258	\$76	\$588	\$2.22	11.29%
2011	\$0	\$245	\$250	\$73	\$569	\$2.27	11.29%
2012	\$0	\$238	\$242	\$71	\$552	\$2.33	11.29%
2013	\$0	\$231	\$234	\$69	\$536	\$2.38	11.29%
2014	\$0	\$227	\$227	\$67	\$521	\$2.44	11.29%
2015	\$0	\$221	\$220	\$65	\$506	\$2.50	11.29%
2016	\$0	\$215	\$213	\$63	\$491	\$2.56	11.29%
2017	\$0	\$209	\$206	\$61	\$476	\$2.62	11.29%
2018	\$0	\$204	\$199	\$59	\$462	\$2.69	11.29%
2019	\$0	\$199	\$193	\$57	\$449	\$2.75	11.29%
2020	\$0	\$194	\$187	\$55	\$436	\$2.82	11.29%
2021	\$0	\$189	\$181	\$53	\$423	\$2.89	11.29%
2022	\$0	\$184	\$175	\$51	\$410	\$2.96	11.29%
2023	\$0	\$179	\$169	\$49	\$397	\$3.02	11.29%
2024	\$0	\$174	\$164	\$47	\$385	\$3.10	11.29%
2025	\$0	\$169	\$159	\$46	\$373	\$3.17	11.29%

Table 4

Year	Admin. Cost	Annual Cost	Ratio Therms To Customer	O & M Cost	Ratio Therms To Customer	Total Consumed Cost	New Customer Cost	Admin. & Main O&M
2006	\$24	\$2.02	11.29%	\$2.71	11.29%	\$4	\$4	\$7
2007	\$25	\$2.12	11.29%	2.82	11.29%	\$7	\$4	\$7
2008	\$25	\$2.17	11.29%	2.93	11.29%	\$7	\$4	\$7
2009	\$27	\$2.22	11.29%	3.05	11.29%	\$7	\$4	\$7
2010	\$27	\$2.27	11.29%	3.16	11.29%	\$7	\$4	\$7
2011	\$27	\$2.33	11.29%	3.27	11.29%	\$7	\$4	\$7
2012	\$28	\$2.38	11.29%	3.38	11.29%	\$7	\$4	\$7
2013	\$28	\$2.44	11.29%	3.49	11.29%	\$7	\$4	\$7
2014	\$29	\$2.50	11.29%	3.60	11.29%	\$7	\$4	\$7
2015	\$30	\$2.56	11.29%	3.72	11.29%	\$7	\$4	\$7
2016	\$31	\$2.62	11.29%	3.83	11.29%	\$7	\$4	\$7
2017	\$31	\$2.69	11.29%	3.95	11.29%	\$7	\$4	\$7
2018	\$32	\$2.75	11.29%	4.06	11.29%	\$7	\$4	\$7
2019	\$33	\$2.82	11.29%	4.18	11.29%	\$7	\$4	\$7
2020	\$33	\$2.89	11.29%	4.30	11.29%	\$7	\$4	\$7
2021	\$34	\$2.96	11.29%	4.41	11.29%	\$7	\$4	\$7
2022	\$35	\$3.02	11.29%	4.53	11.29%	\$7	\$4	\$7
2023	\$36	\$3.09	11.29%	4.64	11.29%	\$7	\$4	\$7
2024	\$37	\$3.16	11.29%	4.76	11.29%	\$7	\$4	\$7
2025	\$38	\$3.23	11.29%	4.87	11.29%	\$7	\$4	\$7

Table 5

Year	Therms	Supply Cost	Gas Supply Cost
2006	50	0.9000	\$45
2007	50	\$0.9216	\$46
2008	50	\$0.9437	\$47
2009	50	\$0.9664	\$48
2010	50	\$0.9896	\$49
2011	50	\$1.0133	\$51
2012	50	\$1.0376	\$52
2013	50	\$1.0625	\$53
2014	50	\$1.0880	\$54
2015	50	\$1.1141	\$56
2016	50	\$1.1409	\$57
2017	50	\$1.1683	\$58
2018	50	\$1.1963	\$60
2019	50	\$1.2250	\$61
2020	50	\$1.2544	\$63
2021	50	\$1.2845	\$64
2022	50	\$1.3154	\$66
2023	50	\$1.3469	\$67
2024	50	\$1.3782	\$69
2025	50	\$1.4123	\$71

Table 2

Year	Customer Annual Consumed Therms	Pro-rated Annual Consumed Therms	Ratio of Therms Consumed To Total
2006	\$8.00	\$8.00	11.29%
2007	\$8.00	\$8.00	11.29%
2008	\$8.00	\$8.00	11.29%
2009	\$8.00	\$8.00	11.29%
2010	\$8.00	\$8.00	11.29%
2011	\$8.00	\$8.00	11.29%
2012	\$8.00	\$8.00	11.29%
2013	\$8.00	\$8.00	11.29%
2014	\$8.00	\$8.00	11.29%
2015	\$8.00	\$8.00	11.29%
2016	\$8.00	\$8.00	11.29%
2017	\$8.00	\$8.00	11.29%
2018	\$8.00	\$8.00	11.29%
2019	\$8.00	\$8.00	11.29%
2020	\$8.00	\$8.00	11.29%
2021	\$8.00	\$8.00	11.29%
2022	\$8.00	\$8.00	11.29%
2023	\$8.00	\$8.00	11.29%
2024	\$8.00	\$8.00	11.29%
2025	\$8.00	\$8.00	11.29%

Customer Change - Gas
Customer Change - Electric
Inflation factor

0%
0%
2%

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Clothes Drying

	Incremental Revenue Energy charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4			
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$28	\$45	\$11	\$84	\$45	\$6	\$7	\$100.22	\$158	
2007	\$28	\$46	\$11	\$85	\$46	\$6	\$7	\$0.22	\$59	
2008	\$28	\$47	\$11	\$87	\$47	\$6	\$7	\$0.22	\$60	
2009	\$28	\$48	\$11	\$88	\$48	\$5	\$8	\$0.22	\$62	
2010	\$28	\$49	\$11	\$89	\$49	\$5	\$8	\$0.22	\$63	
2011	\$28	\$51	\$11	\$90	\$51	\$5	\$8	\$0.22	\$64	
2012	\$28	\$52	\$11	\$91	\$52	\$5	\$8	\$0.22	\$65	
2013	\$28	\$53	\$11	\$92	\$53	\$5	\$8	\$0.22	\$67	
2014	\$28	\$54	\$11	\$94	\$54	\$5	\$8	\$0.22	\$68	
2015	\$28	\$56	\$11	\$95	\$56	\$5	\$9	\$0.22	\$69	
2016	\$28	\$57	\$11	\$96	\$57	\$4	\$9	\$0.22	\$71	
2017	\$28	\$58	\$11	\$98	\$58	\$4	\$9	\$0.22	\$72	
2018	\$28	\$60	\$11	\$99	\$60	\$4	\$9	\$100.22	\$174	
2019	\$28	\$61	\$11	\$101	\$61	\$4	\$10	\$0.22	\$75	
2020	\$28	\$63	\$11	\$102	\$63	\$4	\$10	\$0.22	\$77	
2021	\$28	\$64	\$11	\$104	\$64	\$4	\$10	\$0.22	\$78	
2022	\$28	\$66	\$11	\$105	\$66	\$4	\$10	\$0.22	\$80	
2023	\$28	\$67	\$11	\$107	\$67	\$4	\$10	\$0.22	\$82	
2024	\$28	\$69	\$11	\$108	\$69	\$3	\$11	\$0.22	\$83	
2025	\$28	\$71	\$11	\$110	\$71	\$3	\$11	\$0.22	\$85	

Present Value
of Benefits

\$913

Present Value
of Costs

\$788

Ratio

1.16

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data (revised July 10, 2006)**

Appliance Type
Clothes Drying

O&M expense	2%	PGA Gas Rates	2%	Customer Cf	0%
Electric rates (fu	2%	PGA Base Rate	0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	1,465	10.00%	\$164
2007	\$0.1034	1,465	10.00%	\$167
2008	\$0.1047	1,465	10.00%	\$169
2009	\$0.1061	1,465	10.00%	\$171
2010	\$0.1074	1,465	10.00%	\$173
2011	\$0.1088	1,465	10.00%	\$175
2012	\$0.1101	1,465	10.00%	\$177
2013	\$0.1115	1,465	10.00%	\$180
2014	\$0.1128	1,465	10.00%	\$182
2015	\$0.1142	1,465	10.00%	\$184
2016	\$0.1155	1,465	10.00%	\$186
2017	\$0.1169	1,465	10.00%	\$188
2018	\$0.1182	1,465	10.00%	\$191
2019	\$0.1196	1,465	10.00%	\$193
2020	\$0.1209	1,465	10.00%	\$195
2021	\$0.1223	1,465	10.00%	\$197
2022	\$0.1236	1,465	10.00%	\$199
2023	\$0.1250	1,465	10.00%	\$201
2024	\$0.1263	1,465	10.00%	\$204
2025	\$0.1277	1,465	10.00%	\$206

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9000	50	10.00%	\$50
2007	\$0.9216	50	10.00%	\$51
2008	\$0.9437	50	10.00%	\$52
2009	\$0.9664	50	10.00%	\$53
2010	\$0.9896	50	10.00%	\$54
2011	\$1.0133	50	10.00%	\$56
2012	\$1.0376	50	10.00%	\$57
2013	\$1.0625	50	10.00%	\$58
2014	\$1.0880	50	10.00%	\$60
2015	\$1.1141	50	10.00%	\$61
2016	\$1.1409	50	10.00%	\$63
2017	\$1.1683	50	10.00%	\$64
2018	\$1.1963	50	10.00%	\$66
2019	\$1.2250	50	10.00%	\$67
2020	\$1.2544	50	10.00%	\$69
2021	\$1.2845	50	10.00%	\$71
2022	\$1.3154	50	10.00%	\$72
2023	\$1.3469	50	10.00%	\$74
2024	\$1.3792	50	10.00%	\$76
2025	\$1.4123	50	10.00%	\$78

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	50	10.00%	\$31
2007	\$0.5699	50	10.00%	\$31
2008	\$0.5699	50	10.00%	\$31
2009	\$0.5699	50	10.00%	\$31
2010	\$0.5699	50	10.00%	\$31
2011	\$0.5699	50	10.00%	\$31
2012	\$0.5699	50	10.00%	\$31
2013	\$0.5699	50	10.00%	\$31
2014	\$0.5699	50	10.00%	\$31
2015	\$0.5699	50	10.00%	\$31
2016	\$0.5699	50	10.00%	\$31
2017	\$0.5699	50	10.00%	\$31
2018	\$0.5699	50	10.00%	\$31
2019	\$0.5699	50	10.00%	\$31
2020	\$0.5699	50	10.00%	\$31
2021	\$0.5699	50	10.00%	\$31
2022	\$0.5699	50	10.00%	\$31
2023	\$0.5699	50	10.00%	\$31
2024	\$0.5699	50	10.00%	\$31
2025	\$0.5699	50	10.00%	\$31

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8	\$96.00	50	443	11.29%	10.00%	\$12
2007	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2008	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2009	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2010	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2011	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2012	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2013	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2014	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2015	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2016	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2017	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2018	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2019	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2020	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2021	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2022	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2023	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2024	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12
2025	\$8.00	\$96.00	50	443	11.29%	10.00%	\$12

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Replacement Program
RIM Test and Participants Test Results**

For

Cooking Appliances

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Cooking

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1				Table 2		Table 3	Table 4				
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$147	\$100	\$36	\$283	\$449	(\$574)	\$400	\$36	\$45	\$28	\$11	\$394
2007	2	\$149	0	\$37	\$186	0	0	0	\$37	\$46	\$28	\$11	\$121
2008	3	\$151	0	\$38	\$189	0	0	0	\$38	\$47	\$28	\$11	\$123
2009	4	\$153	0	\$39	\$191	0	0	0	\$39	\$48	\$28	\$11	\$125
2010	5	\$155	0	\$40	\$194	0	0	0	\$40	\$49	\$28	\$11	\$128
2011	6	\$157	0	\$41	\$197	0	0	0	\$41	\$50	\$28	\$11	\$130
2012	7	\$159	0	\$42	\$200	0	0	0	\$42	\$51	\$28	\$11	\$132
2013	8	\$161	0	\$43	\$203	0	0	0	\$43	\$53	\$28	\$11	\$134
2014	9	\$163	0	\$44	\$206	0	0	0	\$44	\$54	\$28	\$11	\$136
2015	10	\$165	0	\$45	\$209	0	0	0	\$45	\$55	\$28	\$11	\$139
2016	11	\$166	0	\$46	\$212	0	0	0	\$46	\$56	\$28	\$11	\$141
2017	12	\$168	0	\$47	\$215	0	0	0	\$47	\$58	\$28	\$11	\$143
2018	13	\$170	0	\$48	\$218	0	0	0	\$48	\$59	\$28	\$11	\$146
2019	14	\$172	100	\$49	\$321	626	(800)	348	\$49	\$61	\$28	\$11	\$323
2020	15	\$174	0	\$50	\$224	0	0	0	\$50	\$62	\$28	\$11	\$151
2021	16	\$176	0	\$51	\$228	0	0	0	\$51	\$64	\$28	\$11	\$154
2022	17	\$178	0	\$53	\$231	0	0	0	\$53	\$65	\$28	\$11	\$157
2023	18	\$180	0	\$54	\$234	0	0	0	\$54	\$67	\$28	\$11	\$159
2024	19	\$182	0	\$55	\$237	0	0	0	\$55	\$68	\$28	\$11	\$162
2025	20	\$184	0	\$56	\$240	0	0	0	\$56	\$70	\$28	\$11	\$165

Present Value of Benefits \$2,126

Present Value of Costs \$1,639

Benefit/Cost Ratio	1.30
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Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Calculated Data (Revised July 10, 2006)

Appliance Type	
Cooking	

PGA Rate Escalator 2%
 Base Rate Escalator 0%
 Electric Rate escalator 2%

Depreciation Rate - Supply Main 2.60%
 Depreciation Rate - Development Main 2.60%
 Depreciation Rate - Service Line 3.20%
 Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
 Customer Charge - Electric 0%
 Inflation factor 2%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	45	\$0.5699	\$26
2007	45	\$0.5699	\$26
2008	45	\$0.5699	\$26
2009	45	\$0.5699	\$26
2010	45	\$0.5699	\$26
2011	45	\$0.5699	\$26
2012	45	\$0.5699	\$26
2013	45	\$0.5699	\$26
2014	45	\$0.5699	\$26
2015	45	\$0.5699	\$26
2016	45	\$0.5698	\$26
2017	45	\$0.5699	\$26
2018	45	\$0.5699	\$26
2019	45	\$0.5699	\$26
2020	45	\$0.5699	\$26
2021	45	\$0.5699	\$26
2022	45	\$0.5699	\$26
2023	45	\$0.5699	\$26
2024	45	\$0.5699	\$26
2025	45	\$0.5699	\$26

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	45	\$0.9000	\$41
2007	45	\$0.9216	\$41
2008	45	\$0.9437	\$42
2009	45	\$0.9664	\$43
2010	45	\$0.9896	\$45
2011	45	\$1.0133	\$46
2012	45	\$1.0376	\$47
2013	45	\$1.0625	\$48
2014	45	\$1.0880	\$49
2015	45	\$1.1141	\$50
2016	45	\$1.1408	\$51
2017	45	\$1.1683	\$53
2018	45	\$1.1963	\$54
2019	45	\$1.2250	\$55
2020	45	\$1.2544	\$56
2021	45	\$1.2845	\$58
2022	45	\$1.3154	\$59
2023	45	\$1.3469	\$61
2024	45	\$1.3792	\$62
2025	45	\$1.4123	\$64

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg
2006	\$8.00	\$96.00	10.16%	\$10
2007	\$8.00	\$96.00	10.16%	\$10
2008	\$8.00	\$96.00	10.16%	\$10
2009	\$8.00	\$96.00	10.16%	\$10
2010	\$8.00	\$96.00	10.16%	\$10
2011	\$8.00	\$96.00	10.16%	\$10
2012	\$8.00	\$96.00	10.16%	\$10
2013	\$8.00	\$96.00	10.16%	\$10
2014	\$8.00	\$96.00	10.16%	\$10
2015	\$8.00	\$96.00	10.16%	\$10
2016	\$8.00	\$96.00	10.16%	\$10
2017	\$8.00	\$96.00	10.16%	\$10
2018	\$8.00	\$96.00	10.16%	\$10
2019	\$8.00	\$96.00	10.16%	\$10
2020	\$8.00	\$96.00	10.16%	\$10
2021	\$8.00	\$96.00	10.16%	\$10
2022	\$8.00	\$96.00	10.16%	\$10
2023	\$8.00	\$96.00	10.16%	\$10
2024	\$8.00	\$96.00	10.16%	\$10
2025	\$8.00	\$96.00	10.16%	\$10

Table 3

Investment Carrying Costs							
1	2	3	4	5	6	7	6*7*8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total Carrying Chg Mains & Svc
2006	\$0	\$280	\$294	\$88	\$662	8.00%	10.16%
2007	\$0	\$273	\$285	\$85	\$643	8.00%	10.16%
2008	\$0	\$266	\$276	\$82	\$624	8.00%	10.16%
2009	\$0	\$259	\$267	\$79	\$605	8.00%	10.16%
2010	\$0	\$252	\$258	\$76	\$586	8.00%	10.16%
2011	\$0	\$245	\$250	\$73	\$568	8.00%	10.16%
2012	\$0	\$239	\$242	\$71	\$552	8.00%	10.16%
2013	\$0	\$233	\$234	\$69	\$536	8.00%	10.16%
2014	\$0	\$227	\$227	\$67	\$521	8.00%	10.16%
2015	\$0	\$221	\$220	\$65	\$506	8.00%	10.16%
2016	\$0	\$215	\$213	\$63	\$491	8.00%	10.16%
2017	\$0	\$209	\$206	\$61	\$476	8.00%	10.16%
2018	\$0	\$204	\$199	\$59	\$462	8.00%	10.16%
2019	\$0	\$199	\$193	\$57	\$449	8.00%	10.16%
2020	\$0	\$194	\$187	\$55	\$436	8.00%	10.16%
2021	\$0	\$189	\$181	\$53	\$423	8.00%	10.16%
2022	\$0	\$184	\$175	\$51	\$410	8.00%	10.16%
2023	\$0	\$179	\$169	\$49	\$397	8.00%	10.16%
2024	\$0	\$174	\$164	\$47	\$385	8.00%	10.16%
2025	\$0	\$169	\$159	\$45	\$373	8.00%	10.16%

Table 4

Incremental Customer Costs									
1	2	3	4	5=3*4	6	7	8=6*7	9=8	10
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost	New Customer Adm. & Main O&M	
2006	\$2.02	\$74	10.16%	\$ 2.44	\$ 38	10.16%	\$4	\$6	
2007	\$2.07	\$75	10.16%	\$ 2.54	\$ 39	10.16%	\$4	\$6	
2008	\$2.12	\$75	10.16%	\$ 2.54	\$ 40	10.16%	\$4	\$7	
2009	\$2.17	\$76	10.16%	\$ 2.64	\$ 41	10.16%	\$4	\$7	
2010	\$2.22	\$77	10.16%	\$ 2.74	\$ 42	10.16%	\$4	\$7	
2011	\$2.27	\$77	10.16%	\$ 2.74	\$ 43	10.16%	\$4	\$7	
2012	\$2.33	\$78	10.16%	\$ 2.84	\$ 44	10.16%	\$4	\$7	
2013	\$2.38	\$79	10.16%	\$ 2.95	\$ 45	10.16%	\$5	\$7	
2014	\$2.44	\$79	10.16%	\$ 2.95	\$ 46	10.16%	\$5	\$8	
2015	\$2.50	\$80	10.16%	\$ 3.05	\$ 47	10.16%	\$5	\$8	
2016	\$2.56	\$81	10.16%	\$ 3.15	\$ 48	10.16%	\$5	\$8	
2017	\$2.62	\$81	10.16%	\$ 3.15	\$ 49	10.16%	\$5	\$8	
2018	\$2.69	\$82	10.16%	\$ 3.25	\$ 50	10.16%	\$5	\$8	
2019	\$2.75	\$83	10.16%	\$ 3.35	\$ 52	10.16%	\$5	\$9	
2020	\$2.82	\$84	10.16%	\$ 3.45	\$ 53	10.16%	\$5	\$9	
2021	\$2.88	\$85	10.16%	\$ 3.56	\$ 54	10.16%	\$5	\$9	
2022	\$2.95	\$85	10.16%	\$ 3.66	\$ 55	10.16%	\$6	\$9	
2023	\$3.02	\$86	10.16%	\$ 3.66	\$ 57	10.16%	\$6	\$9	
2024	\$3.10	\$87	10.16%	\$ 3.76	\$ 58	10.16%	\$6	\$10	
2025	\$3.17	\$88	10.16%	\$ 3.86	\$ 59	10.16%	\$6	\$10	

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Commodity Gas Supply Cost	Gas Supply Cost
2006	45	\$0.9000	\$41
2007	45	\$0.9216	\$41
2008	45	\$0.9437	\$42
2009	45	\$0.9664	\$43
2010	45	\$0.9896	\$45
2011	45	\$1.0133	\$46
2012	45	\$1.0376	\$47
2013	45	\$1.0625	\$48
2014	45	\$1.0880	\$49
2015	45	\$1.1141	\$50
2016	45	\$1.1408	\$51
2017	45	\$1.1683	\$53
2018	45	\$1.1963	\$54
2019	45	\$1.2250	\$55
2020	45	\$1.2544	\$56
2021	45	\$1.2845	\$58
2022	45	\$1.3154	\$59
2023	45	\$1.3469	\$61
2024	45	\$1.3792	\$62
2025	45	\$1.4123	\$64

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Cooking

	Incremental Revenue Energy charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4		
	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$26	\$41	\$10	\$76	\$41	\$5	\$6	\$100	\$152
2007	\$26	\$41	\$10	\$77	\$41	\$5	\$6	\$0	\$53
2008	\$26	\$42	\$10	\$78	\$42	\$5	\$7	\$0	\$54
2009	\$26	\$43	\$10	\$79	\$43	\$5	\$7	\$0	\$55
2010	\$26	\$45	\$10	\$80	\$45	\$5	\$7	\$0	\$56
2011	\$26	\$46	\$10	\$81	\$46	\$5	\$7	\$0	\$58
2012	\$26	\$47	\$10	\$82	\$47	\$4	\$7	\$0	\$59
2013	\$26	\$48	\$10	\$83	\$48	\$4	\$7	\$0	\$60
2014	\$26	\$49	\$10	\$84	\$49	\$4	\$8	\$0	\$61
2015	\$26	\$50	\$10	\$86	\$50	\$4	\$8	\$0	\$62
2016	\$26	\$51	\$10	\$87	\$51	\$4	\$8	\$0	\$64
2017	\$26	\$53	\$10	\$88	\$53	\$4	\$8	\$0	\$65
2018	\$26	\$54	\$10	\$89	\$54	\$4	\$8	\$0	\$66
2019	\$26	\$55	\$10	\$91	\$55	\$4	\$9	\$100	\$168
2020	\$26	\$56	\$10	\$92	\$56	\$4	\$9	\$0	\$69
2021	\$26	\$58	\$10	\$93	\$58	\$3	\$9	\$0	\$71
2022	\$26	\$59	\$10	\$95	\$59	\$3	\$9	\$0	\$72
2023	\$26	\$61	\$10	\$96	\$61	\$3	\$9	\$0	\$73
2024	\$26	\$62	\$10	\$97	\$62	\$3	\$10	\$0	\$75
2025	\$26	\$64	\$10	\$99	\$64	\$3	\$10	\$0	\$77

Present Value
of Benefits

\$821

Present Value
of Costs

\$720

Ratio

1.14

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type	
Cooking	

O&M expense	2%	PGA Gas Ra	2%	Customer Cr	0%
Electric rates (fu	2%	PGA Base R	0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	1,310	10.00%	\$147
2007	\$0.1034	1,310	10.00%	\$149
2008	\$0.1047	1,310	10.00%	\$151
2009	\$0.1061	1,310	10.00%	\$153
2010	\$0.1074	1,310	10.00%	\$155
2011	\$0.1088	1,310	10.00%	\$157
2012	\$0.1101	1,310	10.00%	\$159
2013	\$0.1115	1,310	10.00%	\$161
2014	\$0.1128	1,310	10.00%	\$163
2015	\$0.1142	1,310	10.00%	\$165
2016	\$0.1155	1,310	10.00%	\$166
2017	\$0.1169	1,310	10.00%	\$168
2018	\$0.1182	1,310	10.00%	\$170
2019	\$0.1196	1,310	10.00%	\$172
2020	\$0.1209	1,310	10.00%	\$174
2021	\$0.1223	1,310	10.00%	\$176
2022	\$0.1236	1,310	10.00%	\$178
2023	\$0.1250	1,310	10.00%	\$180
2024	\$0.1263	1,310	10.00%	\$182
2025	\$0.1277	1,310	10.00%	\$184

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9000	45	10.00%	\$45
2007	\$0.9216	45	10.00%	\$46
2008	\$0.9437	45	10.00%	\$47
2009	\$0.9664	45	10.00%	\$48
2010	\$0.9896	45	10.00%	\$49
2011	\$1.0133	45	10.00%	\$50
2012	\$1.0376	45	10.00%	\$51
2013	\$1.0625	45	10.00%	\$53
2014	\$1.0880	45	10.00%	\$54
2015	\$1.1141	45	10.00%	\$55
2016	\$1.1409	45	10.00%	\$56
2017	\$1.1683	45	10.00%	\$58
2018	\$1.1963	45	10.00%	\$59
2019	\$1.2250	45	10.00%	\$61
2020	\$1.2544	45	10.00%	\$62
2021	\$1.2845	45	10.00%	\$64
2022	\$1.3154	45	10.00%	\$65
2023	\$1.3469	45	10.00%	\$67
2024	\$1.3792	45	10.00%	\$68
2025	\$1.4123	45	10.00%	\$70

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	45	10.00%	\$28
2007	\$0.5699	45	10.00%	\$28
2008	\$0.5699	45	10.00%	\$28
2009	\$0.5699	45	10.00%	\$28
2010	\$0.5699	45	10.00%	\$28
2011	\$0.5699	45	10.00%	\$28
2012	\$0.5699	45	10.00%	\$28
2013	\$0.5699	45	10.00%	\$28
2014	\$0.5699	45	10.00%	\$28
2015	\$0.5699	45	10.00%	\$28
2016	\$0.5699	45	10.00%	\$28
2017	\$0.5699	45	10.00%	\$28
2018	\$0.5699	45	10.00%	\$28
2019	\$0.5699	45	10.00%	\$28
2020	\$0.5699	45	10.00%	\$28
2021	\$0.5699	45	10.00%	\$28
2022	\$0.5699	45	10.00%	\$28
2023	\$0.5699	45	10.00%	\$28
2024	\$0.5699	45	10.00%	\$28
2025	\$0.5699	45	10.00%	\$28

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8	\$96.00	45	443	10.16%	10.00%	\$11
2007	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2008	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2009	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2010	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2011	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2012	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2013	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2014	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2015	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2016	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2017	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2018	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2019	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2020	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2021	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2022	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2023	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2024	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2025	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Retention Program
Summary of RIM Test and Participants Test Results**

	<u>Proposed Allowance</u>	<u>Participants Test</u>	<u>RIM Test</u>
Gas Storage Tank Water Heating	\$350	1.59	1.36
Gas Tankless Water Heating	\$450	1.47	1.30
Gas Heating	\$350	1.21	1.38
Gas Clothes Drying	\$100	1.51	1.36
Gas Cooking	\$100	1.49	1.34

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Retention Program
RIM Test and Participants Test Results**

For

Storage Tank Water Heating

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Storage Tank Water Heating

Year	Year Number	Benefits				Costs								
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Costs	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS	
		Table 1								Table 2		Table 3	Table 4	
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13	
2006	1	\$536	\$350	\$36	\$922	\$259	(\$314)	\$250	\$36	\$168	\$107	\$41	\$546	
2007	2	\$543	0	\$37	\$580	0	0	0	\$37	\$172	\$107	\$41	\$356	
2008	3	\$550	0	\$38	\$588	0	0	0	\$38	\$176	\$107	\$41	\$361	
2009	4	\$557	0	\$39	\$596	0	0	0	\$39	\$181	\$107	\$41	\$366	
2010	5	\$564	0	\$40	\$604	0	0	0	\$40	\$185	\$107	\$41	\$372	
2011	6	\$571	0	\$41	\$612	0	0	0	\$41	\$189	\$107	\$41	\$377	
2012	7	\$578	0	\$42	\$620	0	0	0	\$42	\$194	\$107	\$41	\$383	
2013	8	\$585	0	\$43	\$628	0	0	0	\$43	\$199	\$107	\$41	\$388	
2014	9	\$592	0	\$44	\$636	0	0	0	\$44	\$203	\$107	\$41	\$394	
2015	10	\$599	0	\$45	\$644	0	0	0	\$45	\$208	\$107	\$41	\$400	
2016	11	\$607	0	\$46	\$652	0	0	0	\$46	\$213	\$107	\$41	\$406	
2017	12	\$614	0	\$47	\$660	0	0	0	\$47	\$218	\$107	\$41	\$412	
2018	13	\$621	0	\$48	\$669	0	0	0	\$48	\$224	\$107	\$41	\$419	
2019	14	\$628	100	\$49	\$777	361	(\$438)	348	\$49	\$229	\$107	\$41	\$697	
2020	15	\$635	0	\$50	\$685	0	0	0	\$50	\$235	\$107	\$41	\$432	
2021	16	\$642	0	\$51	\$693	0	0	0	\$51	\$240	\$107	\$41	\$439	
2022	17	\$649	0	\$53	\$702	0	0	0	\$53	\$246	\$107	\$41	\$446	
2023	18	\$656	0	\$54	\$710	0	0	0	\$54	\$252	\$107	\$41	\$453	
2024	19	\$663	0	\$55	\$718	0	0	0	\$55	\$258	\$107	\$41	\$460	
2025	20	\$670	0	\$56	\$727	0	0	0	\$56	\$264	\$107	\$41	\$468	

Present Value of Benefits \$6,528

Present Value of Costs \$4,108

Benefit/Cost Ratio	1.59
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**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type
Storage Tank Water Heating

O&M expense	2.4%	PGA Gas Rates	2.4%	Customer Charge	0%
Electric rates (fu)	2.4%	PGA Base Rate	0.0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	4,773	10%	\$536
2007	\$0.1034	4,773	10%	\$543
2008	\$0.1047	4,773	10%	\$550
2009	\$0.1061	4,773	10%	\$557
2010	\$0.1074	4,773	10%	\$564
2011	\$0.1088	4,773	10%	\$571
2012	\$0.1101	4,773	10%	\$578
2013	\$0.1115	4,773	10%	\$585
2014	\$0.1128	4,773	10%	\$592
2015	\$0.1142	4,773	10%	\$599
2016	\$0.1155	4,773	10%	\$607
2017	\$0.1169	4,773	10%	\$614
2018	\$0.1182	4,773	10%	\$621
2019	\$0.1196	4,773	10%	\$628
2020	\$0.1209	4,773	10%	\$635
2021	\$0.1223	4,773	10%	\$642
2022	\$0.1236	4,773	10%	\$649
2023	\$0.1250	4,773	10%	\$656
2024	\$0.1263	4,773	10%	\$663
2025	\$0.1277	4,773	10%	\$670

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9000	170	10%	\$168
2007	\$0.9216	170	10%	\$172
2008	\$0.9437	170	10%	\$176
2009	\$0.9664	170	10%	\$181
2010	\$0.9896	170	10%	\$185
2011	\$1.0133	170	10%	\$189
2012	\$1.0376	170	10%	\$194
2013	\$1.0625	170	10%	\$199
2014	\$1.0880	170	10%	\$203
2015	\$1.1141	170	10%	\$208
2016	\$1.1409	170	10%	\$213
2017	\$1.1683	170	10%	\$218
2018	\$1.1963	170	10%	\$224
2019	\$1.2250	170	10%	\$229
2020	\$1.2544	170	10%	\$235
2021	\$1.2845	170	10%	\$240
2022	\$1.3154	170	10%	\$246
2023	\$1.3469	170	10%	\$252
2024	\$1.3792	170	10%	\$258
2025	\$1.4123	170	10%	\$264

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	170	10%	\$107
2007	\$0.5699	170	10%	\$107
2008	\$0.5699	170	10%	\$107
2009	\$0.5699	170	10%	\$107
2010	\$0.5699	170	10%	\$107
2011	\$0.5699	170	10%	\$107
2012	\$0.5699	170	10%	\$107
2013	\$0.5699	170	10%	\$107
2014	\$0.5699	170	10%	\$107
2015	\$0.5699	170	10%	\$107
2016	\$0.5699	170	10%	\$107
2017	\$0.5699	170	10%	\$107
2018	\$0.5699	170	10%	\$107
2019	\$0.5699	170	10%	\$107
2020	\$0.5699	170	10%	\$107
2021	\$0.5699	170	10%	\$107
2022	\$0.5699	170	10%	\$107
2023	\$0.5699	170	10%	\$107
2024	\$0.5699	170	10%	\$107
2025	\$0.5699	170	10%	\$107

Gas Customer Charge - Table 4							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2007	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2008	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2009	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2010	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2011	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2012	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2013	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2014	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2015	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2016	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2017	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2018	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2019	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2020	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2021	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2022	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2023	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2024	\$8.00	\$96.00	170	443	38.37%	10%	\$41
2025	\$8.00	\$96.00	170	443	38.37%	10%	\$41

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Storage Tank Water Heating

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue Gas	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4		
	1	2	3	4	2 thru 4	6	7	8	9
2006	\$97	\$153	\$37	\$287	\$153	\$0	\$0	\$355	\$508
2007	\$97	\$157	\$37	\$290	\$157	\$0	\$0	\$5	\$161
2008	\$97	\$160	\$37	\$294	\$160	\$0	\$0	\$5	\$165
2009	\$97	\$164	\$37	\$298	\$164	\$0	\$0	\$5	\$169
2010	\$97	\$168	\$37	\$302	\$168	\$0	\$0	\$5	\$173
2011	\$97	\$172	\$37	\$306	\$172	\$0	\$0	\$5	\$177
2012	\$97	\$176	\$37	\$310	\$176	\$0	\$0	\$5	\$181
2013	\$97	\$181	\$37	\$314	\$181	\$0	\$0	\$5	\$185
2014	\$97	\$185	\$37	\$319	\$185	\$0	\$0	\$5	\$189
2015	\$97	\$189	\$37	\$323	\$189	\$0	\$0	\$5	\$194
2016	\$97	\$194	\$37	\$328	\$194	\$0	\$0	\$5	\$198
2017	\$97	\$199	\$37	\$332	\$199	\$0	\$0	\$5	\$203
2018	\$97	\$203	\$37	\$337	\$203	\$0	\$0	\$5	\$208
2019	\$97	\$208	\$37	\$342	\$208	\$0	\$0	\$355	\$563
2020	\$97	\$213	\$37	\$347	\$213	\$0	\$0	\$5	\$218
2021	\$97	\$218	\$37	\$352	\$218	\$0	\$0	\$5	\$223
2022	\$97	\$224	\$37	\$357	\$224	\$0	\$0	\$5	\$228
2023	\$97	\$229	\$37	\$363	\$229	\$0	\$0	\$5	\$233
2024	\$97	\$234	\$37	\$368	\$234	\$0	\$0	\$5	\$239
2025	\$97	\$240	\$37	\$374	\$240	\$0	\$0	\$5	\$245

Present Value
of Benefits

\$3,103

Present Value
of Costs

\$2,278

Benefit/Cost
Ratio

1.36

Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Calculated Data (Revised July 10, 2006)

Appliance Type
Storage Tank Water Heating

PGA Rate Escalator 2.4%
 Base Rate Escalator 0.0%
 Electric Rate Escalator 2.4%

Depreciation Rate - Supply Main 2.60%
 Depreciation Rate - Development Main 2.60%
 Depreciation Rate - Service Line 3.20%
 Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
 Customer Charge - Electric 0%
 Inflation Factor 2.4%

Table 1

Revenue - Energy charge				
1	2	3	2*3	
Year	Therms	Base Rate	Total Rate	
2006	170	\$0.5699	\$97	
2007	170	\$0.5699	\$97	
2008	170	\$0.5699	\$97	
2009	170	\$0.5699	\$97	
2010	170	\$0.5699	\$97	
2011	170	\$0.5699	\$97	
2012	170	\$0.5699	\$97	
2013	170	\$0.5699	\$97	
2014	170	\$0.5699	\$97	
2015	170	\$0.5699	\$97	
2016	170	\$0.5699	\$97	
2017	170	\$0.5699	\$97	
2018	170	\$0.5699	\$97	
2019	170	\$0.5699	\$97	
2020	170	\$0.5699	\$97	
2021	170	\$0.5699	\$97	
2022	170	\$0.5699	\$97	
2023	170	\$0.5699	\$97	
2024	170	\$0.5699	\$97	
2025	170	\$0.5699	\$97	

Table 1a

Revenue - Cost of Gas				
1	2	4	2*3	
Year	Therms	PGA Rate	Total Rate	
2006	170	\$0.9000	\$153	
2007	170	\$0.9216	\$157	
2008	170	\$0.9437	\$160	
2009	170	\$0.9664	\$164	
2010	170	\$0.9896	\$168	
2011	170	\$1.0133	\$172	
2012	170	\$1.0376	\$176	
2013	170	\$1.0625	\$181	
2014	170	\$1.0880	\$185	
2015	170	\$1.1141	\$189	
2016	170	\$1.1409	\$194	
2017	170	\$1.1683	\$199	
2018	170	\$1.1963	\$203	
2019	170	\$1.2250	\$208	
2020	170	\$1.2544	\$213	
2021	170	\$1.2845	\$218	
2022	170	\$1.3154	\$224	
2023	170	\$1.3469	\$229	
2024	170	\$1.3792	\$234	
2025	170	\$1.4123	\$240	

Table 2

Revenue - Customer charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Proated Cust. Chg.
2006	\$8.00	\$96.00	38.37%	\$37
2007	\$8.00	\$96.00	38.37%	\$37
2008	\$8.00	\$96.00	38.37%	\$37
2009	\$8.00	\$96.00	38.37%	\$37
2010	\$8.00	\$96.00	38.37%	\$37
2011	\$8.00	\$96.00	38.37%	\$37
2012	\$8.00	\$96.00	38.37%	\$37
2013	\$8.00	\$96.00	38.37%	\$37
2014	\$8.00	\$96.00	38.37%	\$37
2015	\$8.00	\$96.00	38.37%	\$37
2016	\$8.00	\$96.00	38.37%	\$37
2017	\$8.00	\$96.00	38.37%	\$37
2018	\$8.00	\$96.00	38.37%	\$37
2019	\$8.00	\$96.00	38.37%	\$37
2020	\$8.00	\$96.00	38.37%	\$37
2021	\$8.00	\$96.00	38.37%	\$37
2022	\$8.00	\$96.00	38.37%	\$37
2023	\$8.00	\$96.00	38.37%	\$37
2024	\$8.00	\$96.00	38.37%	\$37
2025	\$8.00	\$96.00	38.37%	\$37

Table 3

Investment Carrying Costs								
1	2	3	4	5	6	7	8	6*7*8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total	Carrying Chg Mains & Svc
2006	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2007	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2008	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2009	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2010	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2011	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2012	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2013	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2014	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2015	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2016	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2017	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2018	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2019	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2020	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2021	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2022	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2023	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2024	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0
2025	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%	\$0

Table 4

Incremental Customer Costs									
1	2	3	4	5=3*4	6	7	8=6*7	9=8	10=8
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost	New Customer Adm. & Main O&M	
2006	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2007	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2008	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2009	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2010	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2011	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2012	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2013	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2014	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2015	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2016	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2017	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2018	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2019	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2020	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2021	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2022	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2023	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2024	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0
2025	\$0.00	\$0	38.37%	\$ -	\$ -	38.37%	\$0	\$0	\$0

Table 5

Gas Costs				
1	2	3	2*3	
Year	Therms	Per Therm Supply Cost	Gas Supply Cost	
2006	170	0.9000	\$153	
2007	170	\$0.9216	\$157	
2008	170	\$0.9437	\$160	
2009	170	\$0.9664	\$164	
2010	170	\$0.9896	\$168	
2011	170	\$1.0133	\$172	
2012	170	\$1.0376	\$176	
2013	170	\$1.0625	\$181	
2014	170	\$1.0880	\$185	
2015	170	\$1.1141	\$189	
2016	170	\$1.1409	\$194	
2017	170	\$1.1683	\$199	
2018	170	\$1.1963	\$203	
2019	170	\$1.2250	\$208	
2020	170	\$1.2544	\$213	
2021	170	\$1.2845	\$218	
2022	170	\$1.3154	\$224	
2023	170	\$1.3469	\$229	
2024	170	\$1.3792	\$234	
2025	170	\$1.4123	\$240	

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Retention Program
RIM Test and Participants Test Results**

For

Tankless Water Heating

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Tankless Water Heating

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Costs	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1				Table 2		Table 3		Table 4			
1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2005	1	\$536	\$450	\$36	\$1,022	\$950	(\$314)	\$250	\$36	\$149	\$94	\$36	\$1,200
2006	2	\$543	0	\$37	\$580	0	0	0	\$37	\$152	\$94	\$36	\$319
2007	3	\$550	0	\$38	\$588	0	0	0	\$38	\$156	\$94	\$36	\$323
2008	4	\$557	0	\$39	\$596	0	0	0	\$39	\$159	\$94	\$36	\$328
2009	5	\$564	0	\$40	\$604	0	0	0	\$40	\$163	\$94	\$36	\$333
2010	6	\$571	0	\$41	\$612	0	0	0	\$41	\$167	\$94	\$36	\$338
2011	7	\$578	0	\$42	\$620	0	0	0	\$42	\$171	\$94	\$36	\$342
2012	8	\$585	0	\$43	\$628	0	0	0	\$43	\$175	\$94	\$36	\$348
2013	9	\$592	0	\$44	\$636	0	0	0	\$44	\$180	\$94	\$36	\$353
2014	10	\$599	0	\$45	\$644	0	0	0	\$45	\$184	\$94	\$36	\$358
2015	11	\$607	0	\$46	\$652	0	0	0	\$46	\$188	\$94	\$36	\$364
2016	12	\$614	0	\$47	\$660	0	0	0	\$47	\$193	\$94	\$36	\$369
2017	13	\$621	0	\$48	\$669	0	0	0	\$48	\$197	\$94	\$36	\$375
2018	14	\$628	0	\$49	\$677	0	0	0	\$49	\$202	\$94	\$36	\$381
2019	15	\$635	0	\$50	\$685	0	0	0	\$50	\$207	\$94	\$36	\$387
2020	16	\$642	0	\$51	\$693	0	0	0	\$51	\$212	\$94	\$36	\$393
2021	17	\$649	0	\$53	\$702	0	0	0	\$53	\$217	\$94	\$36	\$399
2022	18	\$656	0	\$54	\$710	0	0	0	\$54	\$222	\$94	\$36	\$406
2023	19	\$663	0	\$55	\$718	0	0	0	\$55	\$228	\$94	\$36	\$413
2024	20	\$670	450	\$56	\$1,177	1,527	(505)	402	\$56	\$233	\$94	\$36	\$1,843

Present Value of Benefits **\$6,683**

Present Value of Costs **\$4,559**

Benefit/Cost Ratio	1.47
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**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type	
Tankless Water Heating	

O&M expense	2%	PGA Gas Ra	2%	Customer C ¹	0%
Electric rates (fu)	2%	PGA Base R.	0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	4,773	10.00%	\$536
2007	\$0.1034	4,773	10.00%	\$543
2008	\$0.1047	4,773	10.00%	\$550
2009	\$0.1061	4,773	10.00%	\$557
2010	\$0.1074	4,773	10.00%	\$564
2011	\$0.1088	4,773	10.00%	\$571
2012	\$0.1101	4,773	10.00%	\$578
2013	\$0.1115	4,773	10.00%	\$585
2014	\$0.1128	4,773	10.00%	\$592
2015	\$0.1142	4,773	10.00%	\$599
2016	\$0.1155	4,773	10.00%	\$607
2017	\$0.1169	4,773	10.00%	\$614
2018	\$0.1182	4,773	10.00%	\$621
2019	\$0.1196	4,773	10.00%	\$628
2020	\$0.1209	4,773	10.00%	\$635
2021	\$0.1223	4,773	10.00%	\$642
2022	\$0.1236	4,773	10.00%	\$649
2023	\$0.1250	4,773	10.00%	\$656
2024	\$0.1263	4,773	10.00%	\$663
2025	\$0.1277	4,773	10.00%	\$670

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9000	150	10.00%	\$149
2007	\$0.9216	150	10.00%	\$152
2008	\$0.9437	150	10.00%	\$156
2009	\$0.9654	150	10.00%	\$159
2010	\$0.9896	150	10.00%	\$163
2011	\$1.0133	150	10.00%	\$167
2012	\$1.0376	150	10.00%	\$171
2013	\$1.0625	150	10.00%	\$175
2014	\$1.0880	150	10.00%	\$180
2015	\$1.1141	150	10.00%	\$184
2016	\$1.1409	150	10.00%	\$188
2017	\$1.1683	150	10.00%	\$193
2018	\$1.1963	150	10.00%	\$197
2019	\$1.2250	150	10.00%	\$202
2020	\$1.2544	150	10.00%	\$207
2021	\$1.2845	150	10.00%	\$212
2022	\$1.3154	150	10.00%	\$217
2023	\$1.3469	150	10.00%	\$222
2024	\$1.3792	150	10.00%	\$228
2025	\$1.4123	150	10.00%	\$233

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	150	10.00%	\$94
2007	\$0.5699	150	10.00%	\$94
2008	\$0.5699	150	10.00%	\$94
2009	\$0.5699	150	10.00%	\$94
2010	\$0.5699	150	10.00%	\$94
2011	\$0.5699	150	10.00%	\$94
2012	\$0.5699	150	10.00%	\$94
2013	\$0.5699	150	10.00%	\$94
2014	\$0.5699	150	10.00%	\$94
2015	\$0.5699	150	10.00%	\$94
2016	\$0.5699	150	10.00%	\$94
2017	\$0.5699	150	10.00%	\$94
2018	\$0.5699	150	10.00%	\$94
2019	\$0.5699	150	10.00%	\$94
2020	\$0.5699	150	10.00%	\$94
2021	\$0.5699	150	10.00%	\$94
2022	\$0.5699	150	10.00%	\$94
2023	\$0.5699	150	10.00%	\$94
2024	\$0.5699	150	10.00%	\$94
2025	\$0.5699	150	10.00%	\$94

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8	\$96.00	150	443	33.86%	10.00%	\$36
2007	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2008	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2009	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2010	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2011	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2012	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2013	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2014	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2015	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2016	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2017	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2018	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2019	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2020	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2021	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2022	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2023	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2024	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36
2025	\$8.00	\$96.00	150	443	33.86%	10.00%	\$36

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Tankless Water Heating

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4			
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2002	\$85	\$135	\$37	\$257	\$135	\$0	\$0	\$455	\$590	
2003	\$85	\$138	\$37	\$261	\$138	\$0	\$0	\$5	\$143	
2004	\$85	\$142	\$37	\$264	\$142	\$0	\$0	\$5	\$146	
2005	\$85	\$145	\$37	\$267	\$145	\$0	\$0	\$5	\$149	
2006	\$85	\$148	\$37	\$271	\$148	\$0	\$0	\$5	\$153	
2007	\$85	\$152	\$37	\$274	\$152	\$0	\$0	\$5	\$157	
2008	\$85	\$156	\$37	\$278	\$156	\$0	\$0	\$5	\$160	
2009	\$85	\$159	\$37	\$282	\$159	\$0	\$0	\$5	\$164	
2010	\$85	\$163	\$37	\$286	\$163	\$0	\$0	\$5	\$168	
2011	\$85	\$167	\$37	\$289	\$167	\$0	\$0	\$5	\$172	
2012	\$85	\$171	\$37	\$293	\$171	\$0	\$0	\$5	\$176	
2013	\$85	\$175	\$37	\$298	\$175	\$0	\$0	\$5	\$180	
2014	\$85	\$179	\$37	\$302	\$179	\$0	\$0	\$5	\$184	
2015	\$85	\$184	\$37	\$306	\$184	\$0	\$0	\$5	\$188	
2016	\$85	\$188	\$37	\$310	\$188	\$0	\$0	\$5	\$193	
2017	\$85	\$193	\$37	\$315	\$193	\$0	\$0	\$5	\$197	
2018	\$85	\$197	\$37	\$320	\$197	\$0	\$0	\$5	\$202	
2019	\$85	\$202	\$37	\$324	\$202	\$0	\$0	\$5	\$207	
2020	\$85	\$207	\$37	\$329	\$207	\$0	\$0	\$5	\$211	
2021	\$85	\$212	\$37	\$334	\$212	\$0	\$0	\$455	\$666	

Present Value
of Benefits

\$2,781

Present Value
of Costs

\$2,137

Benefit/Cost Ratio

1.30

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Calculated Data (Revised July 10, 2006)**

Appliance Type
Tankless Water Heating

PGA Rate Escalator
Base Rate Escalator
Electric Rate escalator

2%
0%
2%

Depreciation Rate - Supply Main
Depreciation Rate - Development Main
Depreciation Rate - Service Line
Depreciation Rate - Meter

2.60%
2.60%
3.20%
3.30%

Customer Charge - Gas
Customer Charge - Electric
Inflation factor

0%
0%
2%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	150	\$0.5699	\$85
2007	150	\$0.5699	\$85
2008	150	\$0.5699	\$85
2009	150	\$0.5699	\$85
2010	150	\$0.5699	\$85
2011	150	\$0.5699	\$85
2012	150	\$0.5699	\$85
2013	150	\$0.5699	\$85
2014	150	\$0.5699	\$85
2015	150	\$0.5699	\$85
2016	150	\$0.5699	\$85
2017	150	\$0.5699	\$85
2018	150	\$0.5699	\$85
2019	150	\$0.5699	\$85
2020	150	\$0.5699	\$85
2021	150	\$0.5699	\$85
2022	150	\$0.5699	\$85
2023	150	\$0.5699	\$85
2024	150	\$0.5699	\$85
2025	150	\$0.5699	\$85

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	150	\$0.9000	\$135
2007	150	\$0.9216	\$138
2008	150	\$0.9437	\$142
2009	150	\$0.9664	\$145
2010	150	\$0.9896	\$148
2011	150	\$1.0133	\$152
2012	150	\$1.0376	\$156
2013	150	\$1.0625	\$159
2014	150	\$1.0880	\$163
2015	150	\$1.1141	\$167
2016	150	\$1.1409	\$171
2017	150	\$1.1683	\$175
2018	150	\$1.1963	\$179
2019	150	\$1.2250	\$184
2020	150	\$1.2544	\$188
2021	150	\$1.2845	\$193
2022	150	\$1.3154	\$197
2023	150	\$1.3469	\$202
2024	150	\$1.3792	\$207
2025	150	\$1.4123	\$212

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg.
2006	\$8.00	\$96.00	38.37%	\$37
2007	\$8.00	\$96.00	38.37%	\$37
2008	\$8.00	\$96.00	38.37%	\$37
2009	\$8.00	\$96.00	38.37%	\$37
2010	\$8.00	\$96.00	38.37%	\$37
2011	\$8.00	\$96.00	38.37%	\$37
2012	\$8.00	\$96.00	38.37%	\$37
2013	\$8.00	\$96.00	38.37%	\$37
2014	\$8.00	\$96.00	38.37%	\$37
2015	\$8.00	\$96.00	38.37%	\$37
2016	\$8.00	\$96.00	38.37%	\$37
2017	\$8.00	\$96.00	38.37%	\$37
2018	\$8.00	\$96.00	38.37%	\$37
2019	\$8.00	\$96.00	38.37%	\$37
2020	\$8.00	\$96.00	38.37%	\$37
2021	\$8.00	\$96.00	38.37%	\$37
2022	\$8.00	\$96.00	38.37%	\$37
2023	\$8.00	\$96.00	38.37%	\$37
2024	\$8.00	\$96.00	38.37%	\$37
2025	\$8.00	\$96.00	38.37%	\$37

Table 3

Investment Carrying Costs							
1	2	3	4	5	6	7	6*7*8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total Mains & Svc
2006	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2007	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2008	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2009	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2010	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2011	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2012	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2013	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2014	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2015	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2016	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2017	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2018	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2019	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2020	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2021	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2022	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2023	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2024	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%
2025	\$0	\$0	\$0	\$0	\$0	8.00%	38.37%

Table 4

Incremental Customer Costs							
1	2	3	4	5-3*4	6	7	8-6*7
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost
2006	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2007	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2008	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2009	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2010	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2011	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2012	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2013	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2014	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2015	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2016	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2017	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2018	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2019	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2020	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2021	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2022	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2023	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2024	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0
2025	\$0.00	\$0	38.37%	\$	\$	38.37%	\$0

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	150	0.9000	\$135
2007	150	\$0.9216	\$138
2008	150	\$0.9437	\$142
2009	150	\$0.9664	\$145
2010	150	\$0.9896	\$148
2011	150	\$1.0133	\$152
2012	150	\$1.0376	\$156
2013	150	\$1.0625	\$159
2014	150	\$1.0880	\$163
2015	150	\$1.1141	\$167
2016	150	\$1.1409	\$171
2017	150	\$1.1683	\$175
2018	150	\$1.1963	\$179
2019	150	\$1.2250	\$184
2020	150	\$1.2544	\$188
2021	150	\$1.2845	\$193
2022	150	\$1.3154	\$197
2023	150	\$1.3469	\$202
2024	150	\$1.3792	\$207
2025	150	\$1.4123	\$212

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Retention Program
RIM Test and Participants Test Results**

For

Heating Systems

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Cost Effective Results (Revised July 10, 2006)**

Appliance Type
Heating System

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1						Table 2		Table 3		Table 4	
1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$353	\$350	\$192	\$895	\$2,052	(\$3,850)	\$1,450	\$192	\$176	\$112	\$42	\$174
2007	2	\$358	0	\$197	\$555	0	0	0	\$197	\$180	\$112	\$42	\$531
2008	3	\$363	0	\$201	\$564	0	0	0	\$201	\$185	\$112	\$42	\$540
2009	4	\$368	0	\$206	\$574	0	0	0	\$206	\$189	\$112	\$42	\$549
2010	5	\$372	0	\$211	\$583	0	0	0	\$211	\$194	\$112	\$42	\$559
2011	6	\$377	0	\$216	\$593	0	0	0	\$216	\$198	\$112	\$42	\$569
2012	7	\$382	0	\$221	\$603	0	0	0	\$221	\$203	\$112	\$42	\$579
2013	8	\$386	0	\$227	\$613	0	0	0	\$227	\$208	\$112	\$42	\$589
2014	9	\$391	0	\$232	\$623	0	0	0	\$232	\$213	\$112	\$42	\$599
2015	10	\$396	0	\$238	\$633	0	0	0	\$238	\$218	\$112	\$42	\$610
2016	11	\$400	0	\$243	\$644	0	0	0	\$243	\$223	\$112	\$42	\$621
2017	12	\$405	0	\$249	\$654	0	0	0	\$249	\$229	\$112	\$42	\$632
2018	13	\$410	0	\$255	\$665	0	0	0	\$255	\$234	\$112	\$42	\$643
2019	14	\$414	0	\$261	\$676	0	0	0	\$261	\$240	\$112	\$42	\$655
2020	15	\$419	350	\$268	\$1,037	2,929	(5,495)	2,070	\$268	\$246	\$112	\$42	\$171
2021	16	\$424	0	\$274	\$698	0	0	0	\$274	\$252	\$112	\$42	\$680
2022	17	\$428	0	\$281	\$709	0	0	0	\$281	\$258	\$112	\$42	\$692
2023	18	\$433	0	\$287	\$720	0	0	0	\$287	\$264	\$112	\$42	\$705
2024	19	\$438	0	\$294	\$732	0	0	0	\$294	\$270	\$112	\$42	\$718
2025	20	\$442	0	\$301	\$744	0	0	0	\$301	\$277	\$112	\$42	\$732

Present Value of Benefits \$6,475

Present Value of Costs \$5,342

Benefit/Cost Ratio	1.21
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**Florida Public Utilities Company (FPU) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type
Heating System

Escalators	Electric rate:	2.4%	Customer Cf	0%
O&M expense	PGA Base R:	0.0%		

Electric KWH Cost - Table 1		B		C		D		B*(1+D)	
Year	Unit KWH Annual Cost	Annual KWH used	Tax & Fees	Electric Cost	Electric Cost	Electric Cost	Electric Cost	Electric Cost	Electric Cost
2006	\$0.1020	3,150	10.00%	\$353					
2007	\$0.1034	3,150	10.00%	\$359					
2008	\$0.1047	3,150	10.00%	\$363					
2009	\$0.1061	3,150	10.00%	\$368					
2010	\$0.1074	3,150	10.00%	\$372					
2011	\$0.1088	3,150	10.00%	\$377					
2012	\$0.1101	3,150	10.00%	\$382					
2013	\$0.1115	3,150	10.00%	\$386					
2014	\$0.1128	3,150	10.00%	\$391					
2015	\$0.1142	3,150	10.00%	\$396					
2016	\$0.1155	3,150	10.00%	\$400					
2017	\$0.1169	3,150	10.00%	\$405					
2018	\$0.1182	3,150	10.00%	\$410					
2019	\$0.1196	3,150	10.00%	\$414					
2020	\$0.1209	3,150	10.00%	\$419					
2021	\$0.1223	3,150	10.00%	\$424					
2022	\$0.1236	3,150	10.00%	\$428					
2023	\$0.1250	3,150	10.00%	\$433					
2024	\$0.1263	3,150	10.00%	\$438					
2025	\$0.1277	3,150	10.00%	\$442					

Gas Supply Cost - Table 2		B		C		D		B*(1+D)	
Year	Therm Cost Annual Therm used	Tax & Fees	Gas Cost	Gas Cost	Gas Cost	Gas Cost	Gas Cost	Gas Cost	Gas Cost
2006	\$0.9000	178	10.00%	\$176					
2007	\$0.9216	178	10.00%	\$180					
2008	\$0.9437	178	10.00%	\$185					
2009	\$0.9664	178	10.00%	\$189					
2010	\$0.9896	178	10.00%	\$194					
2011	\$1.0133	178	10.00%	\$198					
2012	\$1.0376	178	10.00%	\$203					
2013	\$1.0625	178	10.00%	\$208					
2014	\$1.0880	178	10.00%	\$213					
2015	\$1.1141	178	10.00%	\$218					
2016	\$1.1409	178	10.00%	\$223					
2017	\$1.1683	178	10.00%	\$229					
2018	\$1.1963	178	10.00%	\$234					
2019	\$1.2250	178	10.00%	\$240					
2020	\$1.2544	178	10.00%	\$246					
2021	\$1.2845	178	10.00%	\$252					
2022	\$1.3154	178	10.00%	\$258					
2023	\$1.3469	178	10.00%	\$264					
2024	\$1.3792	178	10.00%	\$270					
2025	\$1.4123	178	10.00%	\$277					

Gas Energy Charge - Table 3		B		C		D		B*(1+D)	
Year	Rate Per Therm Annual Therm used	Tax & Fees	Gas Cost	Gas Cost	Gas Cost	Gas Cost	Gas Cost	Gas Cost	Gas Cost
2006	\$0.5699	178	10.00%	\$112					
2007	\$0.5699	178	10.00%	\$112					
2008	\$0.5699	178	10.00%	\$112					
2009	\$0.5699	178	10.00%	\$112					
2010	\$0.5699	178	10.00%	\$112					
2011	\$0.5699	178	10.00%	\$112					
2012	\$0.5699	178	10.00%	\$112					
2013	\$0.5699	178	10.00%	\$112					
2014	\$0.5699	178	10.00%	\$112					
2015	\$0.5699	178	10.00%	\$112					
2016	\$0.5699	178	10.00%	\$112					
2017	\$0.5699	178	10.00%	\$112					
2018	\$0.5699	178	10.00%	\$112					
2019	\$0.5699	178	10.00%	\$112					
2020	\$0.5699	178	10.00%	\$112					
2021	\$0.5699	178	10.00%	\$112					
2022	\$0.5699	178	10.00%	\$112					
2023	\$0.5699	178	10.00%	\$112					
2024	\$0.5699	178	10.00%	\$112					
2025	\$0.5699	178	10.00%	\$112					

Gas Customer Charge - Table 3		B		C		D		E		D/E		G		C*(D/E)*(1+Z)	
Year	Monthly Cust. Charge Annual Cust. Charge	Appliance Annual Therm	Therm	Annual Cust. Charge	Gas Cost	Gas Cost	Gas Cost	Gas Cost	Ratio - Appliance to Total	Tax & Fees	Pro-rated Cust. Charge	Pro-rated Cust. Charge	Pro-rated Cust. Charge	Pro-rated Cust. Charge	Pro-rated Cust. Charge
2006	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2007	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2008	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2009	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2010	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2011	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2012	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2013	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2014	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2015	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2016	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2017	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2018	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2019	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2020	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2021	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2022	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2023	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2024	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42
2025	\$8.00	\$96.00	178	443	\$8.00	\$96.00	\$96.00	\$96.00	4.0%	10.00%	\$42	\$42	\$42	\$42	\$42

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Heating System

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4			
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$101	\$160	\$39	\$300	\$160	\$0	\$0	\$355	\$515	
2007	\$101	\$164	\$39	\$304	\$164	\$0	\$0	\$5	\$169	
2008	\$101	\$168	\$39	\$308	\$168	\$0	\$0	\$5	\$173	
2009	\$101	\$172	\$39	\$312	\$172	\$0	\$0	\$5	\$177	
2010	\$101	\$176	\$39	\$316	\$176	\$0	\$0	\$5	\$181	
2011	\$101	\$180	\$39	\$320	\$180	\$0	\$0	\$5	\$185	
2012	\$101	\$185	\$39	\$325	\$185	\$0	\$0	\$5	\$189	
2013	\$101	\$189	\$39	\$329	\$189	\$0	\$0	\$5	\$194	
2014	\$101	\$194	\$39	\$334	\$194	\$0	\$0	\$5	\$198	
2015	\$101	\$198	\$39	\$338	\$198	\$0	\$0	\$5	\$203	
2016	\$101	\$203	\$39	\$343	\$203	\$0	\$0	\$5	\$208	
2017	\$101	\$208	\$39	\$348	\$208	\$0	\$0	\$5	\$213	
2018	\$101	\$213	\$39	\$353	\$213	\$0	\$0	\$5	\$218	
2019	\$101	\$218	\$39	\$358	\$218	\$0	\$0	\$5	\$223	
2020	\$101	\$223	\$39	\$363	\$223	\$0	\$0	\$355	\$578	
2021	\$101	\$229	\$39	\$369	\$229	\$0	\$0	\$5	\$233	
2022	\$101	\$234	\$39	\$374	\$234	\$0	\$0	\$5	\$239	
2023	\$101	\$240	\$39	\$380	\$240	\$0	\$0	\$5	\$244	
2024	\$101	\$246	\$39	\$386	\$246	\$0	\$0	\$5	\$250	
2025	\$101	\$251	\$39	\$391	\$251	\$0	\$0	\$5	\$256	

Present Value
of Benefits

\$3,249

Present Value
of Costs

\$2,355

**Benefit/Cost
Ratio**

1.38

Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Calculated Data (Revised July 10, 2006)

Appliance Type
Heating System

PGA Rate Escalator 2.4%
 Base Rate Escalator 0%
 Electric Rate Escalator 2.4%

Depreciation Rate - Supply Main 2.80%
 Depreciation Rate - Development Main 2.50%
 Depreciation Rate - Service Line 3.20%
 Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
 Customer Charge - Electric 0%
 Inflation factor 2%

Table 1

Revenue - Energy charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	178	\$0.5699	\$101
2007	178	\$0.5699	\$101
2008	178	\$0.5699	\$101
2009	178	\$0.5699	\$101
2010	178	\$0.5699	\$101
2011	178	\$0.5699	\$101
2012	178	\$0.5699	\$101
2013	178	\$0.5699	\$101
2014	178	\$0.5699	\$101
2015	178	\$0.5699	\$101
2016	178	\$0.5699	\$101
2017	178	\$0.5699	\$101
2018	178	\$0.5699	\$101
2019	178	\$0.5699	\$101
2020	178	\$0.5699	\$101
2021	178	\$0.5699	\$101
2022	178	\$0.5699	\$101
2023	178	\$0.5699	\$101
2024	178	\$0.5699	\$101
2025	178	\$0.5699	\$101

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	178	\$0.9000	\$160
2007	178	\$0.9216	\$164
2008	178	\$0.9437	\$168
2009	178	\$0.9664	\$172
2010	178	\$0.9896	\$176
2011	178	\$1.0133	\$180
2012	178	\$1.0376	\$185
2013	178	\$1.0625	\$189
2014	178	\$1.0880	\$194
2015	178	\$1.1141	\$198
2016	178	\$1.1409	\$203
2017	178	\$1.1683	\$208
2018	178	\$1.1963	\$213
2019	178	\$1.2250	\$218
2020	178	\$1.2544	\$223
2021	178	\$1.2845	\$229
2022	178	\$1.3154	\$234
2023	178	\$1.3469	\$240
2024	178	\$1.3792	\$246
2025	178	\$1.4123	\$251

Table 2

Revenue - Customer charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg.
2006	\$8.00	\$96.00	40.18%	\$39
2007	\$8.00	\$96.00	40.18%	\$39
2008	\$8.00	\$96.00	40.18%	\$39
2009	\$8.00	\$96.00	40.18%	\$39
2010	\$8.00	\$96.00	40.18%	\$39
2011	\$8.00	\$96.00	40.18%	\$39
2012	\$8.00	\$96.00	40.18%	\$39
2013	\$8.00	\$96.00	40.18%	\$39
2014	\$8.00	\$96.00	40.18%	\$39
2015	\$8.00	\$96.00	40.18%	\$39
2016	\$8.00	\$96.00	40.18%	\$39
2017	\$8.00	\$96.00	40.18%	\$39
2018	\$8.00	\$96.00	40.18%	\$39
2019	\$8.00	\$96.00	40.18%	\$39
2020	\$8.00	\$96.00	40.18%	\$39
2021	\$8.00	\$96.00	40.18%	\$39
2022	\$8.00	\$96.00	40.18%	\$39
2023	\$8.00	\$96.00	40.18%	\$39
2024	\$8.00	\$96.00	40.18%	\$39
2025	\$8.00	\$96.00	40.18%	\$39

Table 3

Investment Carrying Costs							
1	2	3	4	5	6	7	8
Year	Supply Main	Developmen Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total
2006	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2007	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2008	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2009	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2010	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2011	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2012	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2013	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2014	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2015	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2016	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2017	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2018	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2019	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2020	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2021	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2022	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2023	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2024	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%
2025	\$0	\$0	\$0	\$0	\$0	8.00%	40.18%

Table 4

Incremental Customer Costs							
1	2	3	4	5-3*4	6	7	8-6*7
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost
2006	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2007	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2008	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2009	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2010	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2011	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2012	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2013	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2014	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2015	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2016	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2017	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2018	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2019	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2020	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2021	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2022	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2023	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2024	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0
2025	\$0.00	\$0	40.18%	\$ -	\$ -	40.18%	\$0

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	178	0.9000	\$160
2007	178	\$0.9216	\$164
2008	178	\$0.9437	\$168
2009	178	\$0.9664	\$172
2010	178	\$0.9896	\$176
2011	178	\$1.0133	\$180
2012	178	\$1.0376	\$185
2013	178	\$1.0625	\$189
2014	178	\$1.0880	\$194
2015	178	\$1.1141	\$198
2016	178	\$1.1409	\$203
2017	178	\$1.1683	\$208
2018	178	\$1.1963	\$213
2019	178	\$1.2250	\$218
2020	178	\$1.2544	\$223
2021	178	\$1.2845	\$229
2022	178	\$1.3154	\$234
2023	178	\$1.3469	\$240
2024	178	\$1.3792	\$246
2025	178	\$1.4123	\$251

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Retention Program
RIM Test and Participants Test Results**

For

Clothes Drying Appliances

Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Cost Effective Results (Revised July 10, 2006)

Appliance Type
Clothes Drying

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1				Table 2				Table 3	Table 4	7 thru 13	
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2006	1	\$164	\$100	\$36	\$300	\$379	(\$454)	\$150	\$36	\$50	\$31	\$12	\$204
2007	2	\$167	0	\$37	\$203	0	0	0	\$37	\$51	\$31	\$12	\$131
2008	3	\$169	0	\$38	\$207	0	0	0	\$38	\$52	\$31	\$12	\$133
2009	4	\$171	0	\$39	\$210	0	0	0	\$39	\$53	\$31	\$12	\$135
2010	5	\$173	0	\$40	\$213	0	0	0	\$40	\$54	\$31	\$12	\$137
2011	6	\$175	0	\$41	\$216	0	0	0	\$41	\$56	\$31	\$12	\$140
2012	7	\$177	0	\$42	\$219	0	0	0	\$42	\$57	\$31	\$12	\$142
2013	8	\$180	0	\$43	\$222	0	0	0	\$43	\$58	\$31	\$12	\$144
2014	9	\$182	0	\$44	\$225	0	0	0	\$44	\$60	\$31	\$12	\$147
2015	10	\$184	0	\$45	\$229	0	0	0	\$45	\$61	\$31	\$12	\$149
2016	11	\$186	0	\$46	\$232	0	0	0	\$46	\$63	\$31	\$12	\$152
2017	12	\$188	0	\$47	\$235	0	0	0	\$47	\$64	\$31	\$12	\$154
2018	13	\$191	100	\$48	\$338	516	(618)	204	\$48	\$66	\$31	\$12	\$259
2019	14	\$193	0	\$49	\$242	0	0	0	\$49	\$67	\$31	\$12	\$160
2020	15	\$195	0	\$50	\$245	0	0	0	\$50	\$69	\$31	\$12	\$162
2021	16	\$197	0	\$51	\$248	0	0	0	\$51	\$71	\$31	\$12	\$165
2022	17	\$199	0	\$53	\$252	0	0	0	\$53	\$72	\$31	\$12	\$168
2023	18	\$201	0	\$54	\$255	0	0	0	\$54	\$74	\$31	\$12	\$171
2024	19	\$204	0	\$55	\$259	0	0	0	\$55	\$76	\$31	\$12	\$174
2025	20	\$206	0	\$56	\$262	0	0	0	\$56	\$78	\$31	\$12	\$177

Present Value of Benefits \$2,315

Present Value of Costs \$1,532

Benefit/Cost Ratio	1.51
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**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type
Clothes Drying

OGM expense	2%	PGA Gas Rates	2%	Customer Ch	0%
Electric rates (tu)	2%	PGA Base Rate	0%		

Electric KWH Cost - Table 1					
Year	Unit KWH Annual used	Tax & Fees	Electric Cost	B*(C)+(1+D)	
2006	\$0.1020	1,465	10.00%	\$164	
2007	\$0.1034	1,465	10.00%	\$167	
2008	\$0.1047	1,465	10.00%	\$169	
2009	\$0.1061	1,465	10.00%	\$171	
2010	\$0.1074	1,465	10.00%	\$173	
2011	\$0.1088	1,465	10.00%	\$175	
2012	\$0.1101	1,465	10.00%	\$177	
2013	\$0.1115	1,465	10.00%	\$180	
2014	\$0.1128	1,465	10.00%	\$182	
2015	\$0.1142	1,465	10.00%	\$184	
2016	\$0.1155	1,465	10.00%	\$186	
2017	\$0.1169	1,465	10.00%	\$188	
2018	\$0.1182	1,465	10.00%	\$191	
2019	\$0.1196	1,465	10.00%	\$193	
2020	\$0.1209	1,465	10.00%	\$195	
2021	\$0.1223	1,465	10.00%	\$197	
2022	\$0.1236	1,465	10.00%	\$199	
2023	\$0.1250	1,465	10.00%	\$201	
2024	\$0.1263	1,465	10.00%	\$204	
2025	\$0.1277	1,465	10.00%	\$206	

Gas Supply Cost - Table 2					
Year	Annual Therm Cost used	Tax & Fees	Gas Cost	B*(C)+(1+D)	
2006	\$0.9000	50	10.00%	\$50	
2007	\$0.9216	50	10.00%	\$51	
2008	\$0.9437	50	10.00%	\$52	
2009	\$0.9664	50	10.00%	\$53	
2010	\$0.9896	50	10.00%	\$54	
2011	\$1.0133	50	10.00%	\$56	
2012	\$1.0376	50	10.00%	\$57	
2013	\$1.0625	50	10.00%	\$58	
2014	\$1.0880	50	10.00%	\$60	
2015	\$1.1141	50	10.00%	\$61	
2016	\$1.1409	50	10.00%	\$63	
2017	\$1.1683	50	10.00%	\$64	
2018	\$1.1963	50	10.00%	\$66	
2019	\$1.2250	50	10.00%	\$67	
2020	\$1.2544	50	10.00%	\$69	
2021	\$1.2845	50	10.00%	\$71	
2022	\$1.3154	50	10.00%	\$72	
2023	\$1.3469	50	10.00%	\$74	
2024	\$1.3792	50	10.00%	\$76	
2025	\$1.4123	50	10.00%	\$78	

Gas Energy Charge - Table 3					
Year	Rate Per Therm Annual used	Tax & Fees	Gas Cost	B*(C)+(1+D)	
2006	\$0.5699	50	10.00%	\$31	
2007	\$0.5699	50	10.00%	\$31	
2008	\$0.5699	50	10.00%	\$31	
2009	\$0.5699	50	10.00%	\$31	
2010	\$0.5699	50	10.00%	\$31	
2011	\$0.5699	50	10.00%	\$31	
2012	\$0.5699	50	10.00%	\$31	
2013	\$0.5699	50	10.00%	\$31	
2014	\$0.5699	50	10.00%	\$31	
2015	\$0.5699	50	10.00%	\$31	
2016	\$0.5699	50	10.00%	\$31	
2017	\$0.5699	50	10.00%	\$31	
2018	\$0.5699	50	10.00%	\$31	
2019	\$0.5699	50	10.00%	\$31	
2020	\$0.5699	50	10.00%	\$31	
2021	\$0.5699	50	10.00%	\$31	
2022	\$0.5699	50	10.00%	\$31	
2023	\$0.5699	50	10.00%	\$31	
2024	\$0.5699	50	10.00%	\$31	
2025	\$0.5699	50	10.00%	\$31	

Gas Customer Charge - Table 3						
Year	Monthly Custl Charge	Annual Cust. Charge	Appliance Annual Therms	Total Appliance Ratio - Annual Therms	Tax & Fees	Pro-Rated Cust Charge
2006	\$8	\$96.00	50	443	11.29%	10.00%
2007	\$8.00	\$96.00	50	443	11.29%	10.00%
2008	\$8.00	\$96.00	50	443	11.29%	10.00%
2009	\$8.00	\$96.00	50	443	11.29%	10.00%
2010	\$8.00	\$96.00	50	443	11.29%	10.00%
2011	\$8.00	\$96.00	50	443	11.29%	10.00%
2012	\$8.00	\$96.00	50	443	11.29%	10.00%
2013	\$8.00	\$96.00	50	443	11.29%	10.00%
2014	\$8.00	\$96.00	50	443	11.29%	10.00%
2015	\$8.00	\$96.00	50	443	11.29%	10.00%
2016	\$8.00	\$96.00	50	443	11.29%	10.00%
2017	\$8.00	\$96.00	50	443	11.29%	10.00%
2018	\$8.00	\$96.00	50	443	11.29%	10.00%
2019	\$8.00	\$96.00	50	443	11.29%	10.00%
2020	\$8.00	\$96.00	50	443	11.29%	10.00%
2021	\$8.00	\$96.00	50	443	11.29%	10.00%
2022	\$8.00	\$96.00	50	443	11.29%	10.00%
2023	\$8.00	\$96.00	50	443	11.29%	10.00%
2024	\$8.00	\$96.00	50	443	11.29%	10.00%
2025	\$8.00	\$96.00	50	443	11.29%	10.00%

C*(D/E)*(1+Z)

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Clothes Drying

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2	Table 5	Table 3	Table 4				
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$28	\$45	\$11	\$84	\$45	\$0	\$0	\$101	\$146	
2007	\$28	\$46	\$11	\$85	\$46	\$0	\$0	\$1	\$47	
2008	\$28	\$47	\$11	\$87	\$47	\$0	\$0	\$1	\$49	
2009	\$28	\$48	\$11	\$88	\$48	\$0	\$0	\$1	\$50	
2010	\$28	\$49	\$11	\$89	\$49	\$0	\$0	\$1	\$51	
2011	\$28	\$51	\$11	\$90	\$51	\$0	\$0	\$1	\$52	
2012	\$28	\$52	\$11	\$91	\$52	\$0	\$0	\$1	\$53	
2013	\$28	\$53	\$11	\$92	\$53	\$0	\$0	\$1	\$54	
2014	\$28	\$54	\$11	\$94	\$54	\$0	\$0	\$1	\$56	
2015	\$28	\$56	\$11	\$95	\$56	\$0	\$0	\$1	\$57	
2016	\$28	\$57	\$11	\$96	\$57	\$0	\$0	\$1	\$58	
2017	\$28	\$58	\$11	\$98	\$58	\$0	\$0	\$1	\$60	
2018	\$28	\$60	\$11	\$99	\$60	\$0	\$0	\$101	\$161	
2019	\$28	\$61	\$11	\$101	\$61	\$0	\$0	\$1	\$63	
2020	\$28	\$63	\$11	\$102	\$63	\$0	\$0	\$1	\$64	
2021	\$28	\$64	\$11	\$104	\$64	\$0	\$0	\$1	\$66	
2022	\$28	\$66	\$11	\$105	\$66	\$0	\$0	\$1	\$67	
2023	\$28	\$67	\$11	\$107	\$67	\$0	\$0	\$1	\$69	
2024	\$28	\$69	\$11	\$108	\$69	\$0	\$0	\$1	\$70	
2025	\$28	\$71	\$11	\$110	\$71	\$0	\$0	\$1	\$72	

Present Value
of Benefits

\$913

Present Value
of Costs

\$669

Benefit/Cost Ratio

1.36

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Calculated Data (Revised July 10, 2006)**

Appliance Type
Clothes Drying

PGA Rate Escalator 2.4%
Base Rate Escalator 0%
Electric Rate Escalator 2.4%

Depreciation Rate - Supply Main 2.60%
Depreciation Rate - Development Main 2.60%
Depreciation Rate - Service Line 3.20%
Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
Customer Charge - Electric 0%
Inflation factor 2%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	50	\$0.5699	\$28
2007	50	\$0.5699	\$28
2008	50	\$0.5699	\$28
2009	50	\$0.5699	\$28
2010	50	\$0.5699	\$28
2011	50	\$0.5699	\$28
2012	50	\$0.5699	\$28
2013	50	\$0.5699	\$28
2014	50	\$0.5699	\$28
2015	50	\$0.5699	\$28
2016	50	\$0.5699	\$28
2017	50	\$0.5699	\$28
2018	50	\$0.5699	\$28
2019	50	\$0.5699	\$28
2020	50	\$0.5699	\$28
2021	50	\$0.5699	\$28
2022	50	\$0.5699	\$28
2023	50	\$0.5699	\$28
2024	50	\$0.5699	\$28
2025	50	\$0.5699	\$28

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	50	\$0.9000	\$45
2007	50	\$0.9216	\$46
2008	50	\$0.9437	\$47
2009	50	\$0.9664	\$48
2010	50	\$0.9896	\$49
2011	50	\$1.0133	\$51
2012	50	\$1.0376	\$52
2013	50	\$1.0625	\$53
2014	50	\$1.0880	\$54
2015	50	\$1.1141	\$56
2016	50	\$1.1409	\$57
2017	50	\$1.1683	\$58
2018	50	\$1.1963	\$60
2019	50	\$1.2250	\$61
2020	50	\$1.2544	\$63
2021	50	\$1.2845	\$64
2022	50	\$1.3154	\$66
2023	50	\$1.3469	\$67
2024	50	\$1.3792	\$69
2025	50	\$1.4123	\$71

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Mo	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg
2006	\$8.00	\$96.00	11.29%	\$11
2007	\$8.00	\$96.00	11.29%	\$11
2008	\$8.00	\$96.00	11.29%	\$11
2009	\$8.00	\$96.00	11.29%	\$11
2010	\$8.00	\$96.00	11.29%	\$11
2011	\$8.00	\$96.00	11.29%	\$11
2012	\$8.00	\$96.00	11.29%	\$11
2013	\$8.00	\$96.00	11.29%	\$11
2014	\$8.00	\$96.00	11.29%	\$11
2015	\$8.00	\$96.00	11.29%	\$11
2016	\$8.00	\$96.00	11.29%	\$11
2017	\$8.00	\$96.00	11.29%	\$11
2018	\$8.00	\$96.00	11.29%	\$11
2019	\$8.00	\$96.00	11.29%	\$11
2020	\$8.00	\$96.00	11.29%	\$11
2021	\$8.00	\$96.00	11.29%	\$11
2022	\$8.00	\$96.00	11.29%	\$11
2023	\$8.00	\$96.00	11.29%	\$11
2024	\$8.00	\$96.00	11.29%	\$11
2025	\$8.00	\$96.00	11.29%	\$11

Table 3

Investment Carrying Costs							
1	2	3	4	5	6	7	8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total
2006	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2007	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2008	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2009	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2010	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2011	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2012	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2013	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2014	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2015	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2016	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2017	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2018	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2019	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2020	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2021	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2022	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2023	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2024	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%
2025	\$0	\$0	\$0	\$0	\$0	8.00%	11.29%

Table 4

Incremental Customer Costs							
1	2	3	4	5=3*4	6	7	8=6*7
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost
2006	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2007	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2008	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2009	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2010	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2011	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2012	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2013	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2014	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2015	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2016	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2017	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2018	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2019	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2020	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2021	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2022	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2023	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2024	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0
2025	\$0.00	\$0	11.29%	\$	\$	11.29%	\$0

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	50	\$0.9000	\$45
2007	50	\$0.9216	\$46
2008	50	\$0.9437	\$47
2009	50	\$0.9664	\$48
2010	50	\$0.9896	\$49
2011	50	\$1.0133	\$51
2012	50	\$1.0376	\$52
2013	50	\$1.0625	\$53
2014	50	\$1.0880	\$54
2015	50	\$1.1141	\$56
2016	50	\$1.1409	\$57
2017	50	\$1.1683	\$58
2018	50	\$1.1963	\$60
2019	50	\$1.2250	\$61
2020	50	\$1.2544	\$63
2021	50	\$1.2845	\$64
2022	50	\$1.3154	\$66
2023	50	\$1.3469	\$67
2024	50	\$1.3792	\$69
2025	50	\$1.4123	\$71

Exhibit A

**Florida Public Utilities Company
Energy Conservation Program
Revised July 10, 2006**

**Residential Appliance Retention Program
RIM Test and Participants Test Results**

For

Cooking Appliances

Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Cost Effective Results (Revised July 10, 2006)

Appliance Type
Cooking

Year	Year Number	Benefits				Costs							
		Avoided Electric Cost	Gas Rebate	Avoided Electric O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Incremental Gas PGA Cost	Incremental Gas Energy Cost	Gas Customer Charge	TOTAL COSTS
		Table 1								Table 2	Table 3	Table 4	
		3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2005	1	\$147	\$100	\$36	\$283	\$449	(\$574)	\$200	\$36	\$45	\$28	\$11	\$194
2006	2	\$149	0	\$37	\$186	0	0	0	\$37	\$46	\$28	\$11	\$121
2007	3	\$151	0	\$38	\$189	0	0	0	\$38	\$47	\$28	\$11	\$123
2008	4	\$153	0	\$39	\$191	0	0	0	\$39	\$48	\$28	\$11	\$125
2009	5	\$155	0	\$40	\$194	0	0	0	\$40	\$49	\$28	\$11	\$128
2010	6	\$157	0	\$41	\$197	0	0	0	\$41	\$50	\$28	\$11	\$130
2011	7	\$159	0	\$42	\$200	0	0	0	\$42	\$51	\$28	\$11	\$132
2012	8	\$161	0	\$43	\$203	0	0	0	\$43	\$53	\$28	\$11	\$134
2013	9	\$163	0	\$44	\$206	0	0	0	\$44	\$54	\$28	\$11	\$136
2014	10	\$165	0	\$45	\$209	0	0	0	\$45	\$55	\$28	\$11	\$139
2015	11	\$166	0	\$46	\$212	0	0	0	\$46	\$56	\$28	\$11	\$141
2016	12	\$168	0	\$47	\$215	0	0	0	\$47	\$58	\$28	\$11	\$143
2017	13	\$170	0	\$48	\$218	0	0	0	\$48	\$59	\$28	\$11	\$146
2018	14	\$172	100	\$49	\$321	626	(800)	279	\$49	\$61	\$28	\$11	\$253
2019	15	\$174	0	\$50	\$224	0	0	0	\$50	\$62	\$28	\$11	\$151
2020	16	\$176	0	\$51	\$228	0	0	0	\$51	\$64	\$28	\$11	\$154
2021	17	\$178	0	\$53	\$231	0	0	0	\$53	\$65	\$28	\$11	\$157
2022	18	\$180	0	\$54	\$234	0	0	0	\$54	\$67	\$28	\$11	\$159
2023	19	\$182	0	\$55	\$237	0	0	0	\$55	\$68	\$28	\$11	\$162
2024	20	\$184	0	\$56	\$240	0	0	0	\$56	\$70	\$28	\$11	\$165

Present Value of Benefits \$2,126

Present Value of Costs \$1,430

Benefit/Cost Ratio	1.49
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**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
Participants Test - Data (Revised July 10, 2006)**

Appliance Type	
Cooking	

O&M expense	2%	PGA Gas Ra	2%	Customer C ¹	0%
Electric rates (fu)	2%	PGA Base R.	0%		

Electric KWH Cost - Table 1				
Year	Unit KWH Cost	Annual KWH used	Tax & Fees	Electric Cost
A	B	C	D	B*C*(1+D)
2006	\$0.1020	1,310	10.00%	\$147
2007	\$0.1034	1,310	10.00%	\$149
2008	\$0.1047	1,310	10.00%	\$151
2009	\$0.1061	1,310	10.00%	\$153
2010	\$0.1074	1,310	10.00%	\$155
2011	\$0.1088	1,310	10.00%	\$157
2012	\$0.1101	1,310	10.00%	\$159
2013	\$0.1115	1,310	10.00%	\$161
2014	\$0.1128	1,310	10.00%	\$163
2015	\$0.1142	1,310	10.00%	\$165
2016	\$0.1155	1,310	10.00%	\$166
2017	\$0.1169	1,310	10.00%	\$168
2018	\$0.1182	1,310	10.00%	\$170
2019	\$0.1196	1,310	10.00%	\$172
2020	\$0.1209	1,310	10.00%	\$174
2021	\$0.1223	1,310	10.00%	\$176
2022	\$0.1236	1,310	10.00%	\$178
2023	\$0.1250	1,310	10.00%	\$180
2024	\$0.1263	1,310	10.00%	\$182
2025	\$0.1277	1,310	10.00%	\$184

Gas Supply Cost - Table 2				
Year	Therm Cost	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9000	45	10.00%	\$45
2007	\$0.9216	45	10.00%	\$46
2008	\$0.9437	45	10.00%	\$47
2009	\$0.9664	45	10.00%	\$48
2010	\$0.9896	45	10.00%	\$49
2011	\$1.0133	45	10.00%	\$50
2012	\$1.0376	45	10.00%	\$51
2013	\$1.0625	45	10.00%	\$53
2014	\$1.0880	45	10.00%	\$54
2015	\$1.1141	45	10.00%	\$55
2016	\$1.1409	45	10.00%	\$56
2017	\$1.1683	45	10.00%	\$58
2018	\$1.1963	45	10.00%	\$59
2019	\$1.2250	45	10.00%	\$61
2020	\$1.2544	45	10.00%	\$62
2021	\$1.2845	45	10.00%	\$64
2022	\$1.3154	45	10.00%	\$65
2023	\$1.3469	45	10.00%	\$67
2024	\$1.3792	45	10.00%	\$68
2025	\$1.4123	45	10.00%	\$70

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms used	Tax & Fees	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.5699	45	10.00%	\$28
2007	\$0.5699	45	10.00%	\$28
2008	\$0.5699	45	10.00%	\$28
2009	\$0.5699	45	10.00%	\$28
2010	\$0.5699	45	10.00%	\$28
2011	\$0.5699	45	10.00%	\$28
2012	\$0.5699	45	10.00%	\$28
2013	\$0.5699	45	10.00%	\$28
2014	\$0.5699	45	10.00%	\$28
2015	\$0.5699	45	10.00%	\$28
2016	\$0.5699	45	10.00%	\$28
2017	\$0.5699	45	10.00%	\$28
2018	\$0.5699	45	10.00%	\$28
2019	\$0.5699	45	10.00%	\$28
2020	\$0.5699	45	10.00%	\$28
2021	\$0.5699	45	10.00%	\$28
2022	\$0.5699	45	10.00%	\$28
2023	\$0.5699	45	10.00%	\$28
2024	\$0.5699	45	10.00%	\$28
2025	\$0.5699	45	10.00%	\$28

Gas Customer Charge - Table 3							
Year	Monthly Cust. Charge	Annual Cust. Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax & Fees	Pro-Rated Cust Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$8	\$96.00	45	443	10.16%	10.00%	\$11
2007	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2008	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2009	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2010	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2011	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2012	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2013	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2014	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2015	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2016	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2017	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2018	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2019	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2020	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2021	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2022	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2023	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2024	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11
2025	\$8.00	\$96.00	45	443	10.16%	10.00%	\$11

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Results (Revised July 10, 2006)**

Appliance Type
Cooking

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Customer Charge	Total Revenue	Gas Supply Cost	Investment Carrying Costs	Incremental Customer Costs	Program Cost	Total Costs	
	Table 1	Table 1A	Table 2		Table 5	Table 3	Table 4			
	1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2006	\$26	\$41	\$10	\$76	\$41	\$0	\$0	\$101	\$142	
2007	\$26	\$41	\$10	\$77	\$41	\$0	\$0	\$1	\$43	
2008	\$26	\$42	\$10	\$78	\$42	\$0	\$0	\$1	\$44	
2009	\$26	\$43	\$10	\$79	\$43	\$0	\$0	\$1	\$45	
2010	\$26	\$45	\$10	\$80	\$45	\$0	\$0	\$1	\$46	
2011	\$26	\$46	\$10	\$81	\$46	\$0	\$0	\$1	\$47	
2012	\$26	\$47	\$10	\$82	\$47	\$0	\$0	\$1	\$48	
2013	\$26	\$48	\$10	\$83	\$48	\$0	\$0	\$1	\$49	
2014	\$26	\$49	\$10	\$84	\$49	\$0	\$0	\$1	\$50	
2015	\$26	\$50	\$10	\$86	\$50	\$0	\$0	\$1	\$51	
2016	\$26	\$51	\$10	\$87	\$51	\$0	\$0	\$1	\$53	
2017	\$26	\$53	\$10	\$88	\$53	\$0	\$0	\$1	\$54	
2018	\$26	\$54	\$10	\$89	\$54	\$0	\$0	\$101	\$155	
2019	\$26	\$55	\$10	\$91	\$55	\$0	\$0	\$1	\$56	
2020	\$26	\$56	\$10	\$92	\$56	\$0	\$0	\$1	\$58	
2021	\$26	\$58	\$10	\$93	\$58	\$0	\$0	\$1	\$59	
2022	\$26	\$59	\$10	\$95	\$59	\$0	\$0	\$1	\$60	
2023	\$26	\$61	\$10	\$96	\$61	\$0	\$0	\$1	\$62	
2024	\$26	\$62	\$10	\$97	\$62	\$0	\$0	\$1	\$63	
2025	\$26	\$64	\$10	\$99	\$64	\$0	\$0	\$1	\$65	

Present Value
of Benefits

\$821

Present Value
of Costs

\$615

**Benefit/Cost
Ratio**

1.34

**Florida Public Utilities Company (FPUC) - Energy Conservation Filing 2006
Residential Appliance Retention Program
RIM Test - Calculated Data (Revised July 10, 2006)**

Appliance Type	
Cooking	

PGA Rate Escalator 2%
Base Rate Escalator 0%
Electric Rate escalator 2%

Depreciation Rate - Supply Main 2.60%
Depreciation Rate - Development Main 2.60%
Depreciation Rate - Service Line 3.20%
Depreciation Rate - Meter 3.30%

Customer Charge - Gas 0%
Customer Charge - Electric 0%
Inflation factor 2%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Rate
2006	45	\$0.5699	\$26
2007	45	\$0.5699	\$26
2008	45	\$0.5699	\$26
2009	45	\$0.5699	\$26
2010	45	\$0.5699	\$26
2011	45	\$0.5699	\$26
2012	45	\$0.5699	\$26
2013	45	\$0.5699	\$26
2014	45	\$0.5699	\$26
2015	45	\$0.5699	\$26
2016	45	\$0.5699	\$26
2017	45	\$0.5699	\$26
2018	45	\$0.5699	\$26
2019	45	\$0.5699	\$26
2020	45	\$0.5699	\$26
2021	45	\$0.5699	\$26
2022	45	\$0.5699	\$26
2023	45	\$0.5699	\$26
2024	45	\$0.5699	\$26
2025	45	\$0.5699	\$26

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	PGA Rate	Total Rate
2006	45	\$0.9000	\$41
2007	45	\$0.9216	\$41
2008	45	\$0.9437	\$42
2009	45	\$0.9654	\$43
2010	45	\$0.9896	\$45
2011	45	\$1.0133	\$46
2012	45	\$1.0376	\$47
2013	45	\$1.0625	\$48
2014	45	\$1.0880	\$49
2015	45	\$1.1141	\$50
2016	45	\$1.1409	\$51
2017	45	\$1.1683	\$53
2018	45	\$1.1963	\$54
2019	45	\$1.2250	\$55
2020	45	\$1.2544	\$56
2021	45	\$1.2845	\$58
2022	45	\$1.3154	\$59
2023	45	\$1.3469	\$61
2024	45	\$1.3792	\$62
2025	45	\$1.4123	\$64

Table 2

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Customer Charge/Me	Annual Cust. Chg	Ratio of Therms Consumed To Total	Prorated Cust. Chg.
2006	\$8.00	\$36.00	10.16%	\$10
2007	\$8.00	\$36.00	10.16%	\$10
2008	\$8.00	\$36.00	10.16%	\$10
2009	\$8.00	\$36.00	10.16%	\$10
2010	\$8.00	\$36.00	10.16%	\$10
2011	\$8.00	\$36.00	10.16%	\$10
2012	\$8.00	\$36.00	10.16%	\$10
2013	\$8.00	\$36.00	10.16%	\$10
2014	\$8.00	\$36.00	10.16%	\$10
2015	\$8.00	\$36.00	10.16%	\$10
2016	\$8.00	\$36.00	10.16%	\$10
2017	\$8.00	\$36.00	10.16%	\$10
2018	\$8.00	\$36.00	10.16%	\$10
2019	\$8.00	\$36.00	10.16%	\$10
2020	\$8.00	\$36.00	10.16%	\$10
2021	\$8.00	\$36.00	10.16%	\$10
2022	\$8.00	\$36.00	10.16%	\$10
2023	\$8.00	\$36.00	10.16%	\$10
2024	\$8.00	\$36.00	10.16%	\$10
2025	\$8.00	\$36.00	10.16%	\$10

Table 3

Investment Carrying Costs							
1	2	3	4	5	6	7	6*7*8
Year	Supply Main	Development Main	Service Line	Meter	Customer Cost	Avg Cost of Debt	Ratio of Therms Consumed To Total
2006	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2007	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2008	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2009	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2010	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2011	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2012	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2013	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2014	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2015	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2016	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2017	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2018	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2019	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2020	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2021	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2022	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2023	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2024	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%
2025	\$0	\$0	\$0	\$0	\$0	8.00%	10.16%

Table 4

Incremental Customer Costs							
1	2	3	4	5=3*4	6	7	8=6*7
Year	Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Customer Costs	O & M Cost	Ratio Therms To Total Consumed	Main Cost
2006	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2007	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2008	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2009	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2010	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2011	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2012	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2013	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2014	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2015	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2016	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2017	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2018	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2019	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2020	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2021	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2022	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2023	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2024	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0
2025	\$0.00	\$0	10.16%	\$ -	\$ -	10.16%	\$0

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Commodity Gas Supply Cost	Gas Supply Cost
2006	45	0.9000	\$41
2007	45	\$0.9216	\$41
2008	45	\$0.9437	\$42
2009	45	\$0.9654	\$43
2010	45	\$0.9896	\$45
2011	45	\$1.0133	\$46
2012	45	\$1.0376	\$47
2013	45	\$1.0625	\$48
2014	45	\$1.0880	\$49
2015	45	\$1.1141	\$50
2016	45	\$1.1409	\$51
2017	45	\$1.1683	\$53
2018	45	\$1.1963	\$54
2019	45	\$1.2250	\$55
2020	45	\$1.2544	\$56
2021	45	\$1.2845	\$58
2022	45	\$1.3154	\$59
2023	45	\$1.3469	\$61
2024	45	\$1.3792	\$62
2025	45	\$1.4123	\$64