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www.akerman.com  
850 224 9634 tel 850 222 0103 fax

December 29, 2006

**VIA HAND DELIVERY**

Blanca S. Bayó, Director  
Division of Commission Clerk and Administrative Services  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

RECEIVED-FPSC  
05 DEC 29 PM 12:44  
COMMISSION  
CLERK

Re: Docket No. 060772-EG - Petition for Approval of Modifications to Approved Energy Conservation Programs by Florida Division of Chesapeake Utilities Corporation

Dear Ms. Bayó:

Enclosed for filing, please find an original and 15 copies of Florida Division of Chesapeake Utilities Corporation's amended portions of Exhibit A to its Petition for Approval of Modifications to Approved Energy Conservation Programs. These amended pages reflect revised results for: 1) New Construction Program – Heating System RIM Test; 2) Appliance Retention Program – Tankless Water Heating RIM and Participants Tests; and 3) Appliance Retention Program – Cooking Participants Test. The revisions were necessitated by an

CMP \_\_\_\_\_ inadvertent error in the original filing, which resulted in the gas fuel rate not being properly  
COM \_\_\_\_\_ escalated.

CTR \_\_\_\_\_ We apologize for any inconvenience this error may have caused.

ECR \_\_\_\_\_

GCL \_\_\_\_\_

OPC \_\_\_\_\_

RCA \_\_\_\_\_

SCR \_\_\_\_\_

SGA \_\_\_\_\_

SEC 1

OTH \_\_\_\_\_

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11874 DEC 29 '06


FPSC-COMMISSION CLERK

Blanca S. Bayó, Director  
December 29, 2006  
Page 2

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Your assistance in this matter is greatly appreciated. If you have any questions, please do not hesitate to contact me.

Sincerely,



---

**Beth Keating**  
**AKERMAN SENTERFITT**  
106 East College Avenue, Suite 1200  
Tallahassee, FL 32302-1877  
Phone: (850) 224-9634  
Fax: (850) 222-0103

Enclosures



**Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006  
Residential New Construction Program  
RIM Test - Results**

**Appliance Type**

Heating System

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Revenue Cust. Charge	Total Gas 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	\$105	\$167	\$72	\$344	\$167	\$29	\$32	\$360.23	\$589	
2007	\$105	\$171	\$72	\$348	\$171	\$28	\$33	\$10.23	\$242	
2008	\$105	\$175	\$72	\$352	\$175	\$27	\$34	\$10.23	\$246	
2009	\$105	\$179	\$72	\$356	\$179	\$26	\$35	\$10.23	\$251	
2010	\$105	\$184	\$72	\$361	\$184	\$25	\$36	\$10.23	\$255	
2011	\$105	\$188	\$72	\$365	\$188	\$24	\$37	\$10.23	\$259	
2012	\$105	\$193	\$72	\$370	\$193	\$23	\$37	\$10.23	\$263	
2013	\$105	\$197	\$72	\$374	\$197	\$22	\$38	\$10.23	\$268	
2014	\$105	\$202	\$72	\$379	\$202	\$22	\$39	\$10.23	\$273	
2015	\$105	\$207	\$72	\$384	\$207	\$21	\$40	\$10.23	\$278	
2016	\$105	\$212	\$72	\$389	\$212	\$20	\$41	\$10.23	\$283	
2017	\$105	\$217	\$72	\$394	\$217	\$19	\$42	\$10.23	\$288	
2018	\$105	\$222	\$72	\$399	\$222	\$19	\$43	\$10.23	\$294	
2019	\$105	\$227	\$72	\$404	\$227	\$18	\$44	\$10.23	\$300	
2020	\$105	\$233	\$72	\$410	\$233	\$17	\$45	\$360.23	\$656	
2021	\$105	\$238	\$72	\$415	\$238	\$17	\$47	\$10.23	\$312	
2022	\$105	\$244	\$72	\$421	\$244	\$16	\$47	\$10.23	\$318	
2023	\$105	\$250	\$72	\$427	\$250	\$16	\$49	\$10.23	\$324	
2024	\$105	\$256	\$72	\$433	\$256	\$15	\$50	\$10.23	\$331	
2025	\$105	\$262	\$72	\$439	\$262	\$14	\$51	\$10.23	\$338	

Present Value  
of Benefits

\$3,692

Present Value  
of Costs

\$3,094

Benefit/Cost  
Ratio

**1.19**

**Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006**  
**Residential New Construction Program**  
**RIM Test - Calculated Data**

Depreciation Rate - Supply Main            3.30%  
 Depreciation Rate - Development Main    3.30%  
 Depreciation Rate - Service Line        3.60%  
 Depreciation Rate - Meter                3.90%

**Table 1a**

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	178	\$0.9382	\$167
2007	178	\$0.9607	\$171
2008	178	\$0.9838	\$175
2009	178	\$1.0074	\$179
2010	178	\$1.0316	\$184
2011	178	\$1.0563	\$188
2012	178	\$1.0817	\$193
2013	178	\$1.1076	\$197
2014	178	\$1.1342	\$202
2015	178	\$1.1614	\$207
2016	178	\$1.1893	\$212
2017	178	\$1.2179	\$217
2018	178	\$1.2471	\$222
2019	178	\$1.2770	\$227
2020	178	\$1.3077	\$233
2021	178	\$1.3390	\$238
2022	178	\$1.3712	\$244
2023	178	\$1.4041	\$250
2024	178	\$1.4378	\$256
2025	178	\$1.4723	\$262

**Table 2**

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Customer Charge
2006	\$15.00	\$180.00	40.18%	\$72
2007	\$15.00	\$180.00	40.18%	\$72
2008	\$15.00	\$180.00	40.18%	\$72
2009	\$15.00	\$180.00	40.18%	\$72
2010	\$15.00	\$180.00	40.18%	\$72
2011	\$15.00	\$180.00	40.18%	\$72
2012	\$15.00	\$180.00	40.18%	\$72
2013	\$15.00	\$180.00	40.18%	\$72
2014	\$15.00	\$180.00	40.18%	\$72
2015	\$15.00	\$180.00	40.18%	\$72
2016	\$15.00	\$180.00	40.18%	\$72
2017	\$15.00	\$180.00	40.18%	\$72
2018	\$15.00	\$180.00	40.18%	\$72
2019	\$15.00	\$180.00	40.18%	\$72
2020	\$15.00	\$180.00	40.18%	\$72
2021	\$15.00	\$180.00	40.18%	\$72
2022	\$15.00	\$180.00	40.18%	\$72
2023	\$15.00	\$180.00	40.18%	\$72
2024	\$15.00	\$180.00	40.18%	\$72
2025	\$15.00	\$180.00	40.18%	\$72

Operating Costs			
6	7	8	6*7*8
Total Investment	Cost of Debt	Ratio of Therms Consumed To Total	Investment Carrying Cost
\$840	8.60%	40.18%	\$29
\$809	8.60%	40.18%	\$28
\$780	8.60%	40.18%	\$27
\$752	8.60%	40.18%	\$26
\$726	8.60%	40.18%	\$25
\$700	8.60%	40.18%	\$24
\$675	8.60%	40.18%	\$23
\$650	8.60%	40.18%	\$22
\$627	8.60%	40.18%	\$22
\$604	8.60%	40.18%	\$21
\$583	8.60%	40.18%	\$20
\$562	8.60%	40.18%	\$19
\$542	8.60%	40.18%	\$19
\$523	8.60%	40.18%	\$18
\$505	8.60%	40.18%	\$17
\$487	8.60%	40.18%	\$17
\$469	8.60%	40.18%	\$16
\$452	8.60%	40.18%	\$16
\$435	8.60%	40.18%	\$15
\$419	8.60%	40.18%	\$14

**Table 4**

Incremental Customer Costs									
1	2	3	4	5=3*4	6	7	8=6*7	9	5+8
Year	Monthly Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Annual Ratio Adm. Cost	Annual O&M Cost	Ratio Therms To Total Consumed	Annual Ratio O&M Cost	Total Incremental Adm. & O&M Cost	
2006	\$4.01	\$48	40.18%	\$19.29	\$32.81	40.18%	\$13	\$32	
2007	\$4.11	\$49	40.18%	\$19.69	\$33.60	40.18%	\$13	\$33	
2008	\$4.20	\$50	40.18%	\$20.09	\$34.40	40.18%	\$14	\$34	
2009	\$4.31	\$52	40.18%	\$20.89	\$35.23	40.18%	\$14	\$35	
2010	\$4.41	\$53	40.18%	\$21.30	\$36.07	40.18%	\$14	\$36	
2011	\$4.51	\$54	40.18%	\$21.70	\$36.94	40.18%	\$15	\$37	
2012	\$4.62	\$55	40.18%	\$22.10	\$37.83	40.18%	\$15	\$37	
2013	\$4.73	\$57	40.18%	\$22.90	\$38.74	40.18%	\$16	\$38	
2014	\$4.85	\$58	40.18%	\$23.30	\$39.66	40.18%	\$16	\$39	
2015	\$4.96	\$60	40.18%	\$24.11	\$40.62	40.18%	\$16	\$40	
2016	\$5.08	\$61	40.18%	\$24.51	\$41.59	40.18%	\$17	\$41	
2017	\$5.21	\$62	40.18%	\$24.91	\$42.59	40.18%	\$17	\$42	
2018	\$5.33	\$64	40.18%	\$25.72	\$43.61	40.18%	\$18	\$43	
2019	\$5.46	\$65	40.18%	\$26.12	\$44.66	40.18%	\$18	\$44	
2020	\$5.59	\$67	40.18%	\$26.92	\$45.73	40.18%	\$18	\$45	
2021	\$5.72	\$69	40.18%	\$27.72	\$46.83	40.18%	\$19	\$47	
2022	\$5.86	\$70	40.18%	\$28.13	\$47.95	40.18%	\$19	\$47	
2023	\$6.00	\$72	40.18%	\$28.93	\$49.10	40.18%	\$20	\$49	
2024	\$6.15	\$74	40.18%	\$29.73	\$50.28	40.18%	\$20	\$50	
2025	\$6.29	\$76	40.18%	\$30.54	\$51.49	40.18%	\$21	\$51	

**Table 5**

Gas Costs			
1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	178	0.9382	\$167
2007	178	\$0.9607	\$171
2008	178	\$0.9838	\$175
2009	178	\$1.0074	\$179
2010	178	\$1.0316	\$184
2011	178	\$1.0563	\$188
2012	178	\$1.0817	\$193
2013	178	\$1.1076	\$197
2014	178	\$1.1342	\$202
2015	178	\$1.1614	\$207
2016	178	\$1.1893	\$212
2017	178	\$1.2179	\$217
2018	178	\$1.2471	\$222
2019	178	\$1.2770	\$227
2020	178	\$1.3077	\$233
2021	178	\$1.3390	\$238
2022	178	\$1.3712	\$244
2023	178	\$1.4041	\$250
2024	178	\$1.4378	\$256
2025	178	\$1.4723	\$262

**Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006  
Residential Appliance Retention Program  
RIM Test - Results**

<b>Appliance Type</b>
Tankless Water Heating

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Revenue Cust. Charge	Total Gas 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
2002	\$93	\$141	\$53	\$287	\$141	\$0	\$0	\$452.55	\$593
2003	\$93	\$144	\$53	\$290	\$144	\$0	\$0	\$2.55	\$147
2004	\$93	\$148	\$53	\$293	\$148	\$0	\$0	\$2.55	\$150
2005	\$93	\$151	\$53	\$297	\$151	\$0	\$0	\$2.55	\$154
2006	\$93	\$155	\$53	\$301	\$155	\$0	\$0	\$2.55	\$157
2007	\$93	\$158	\$53	\$304	\$158	\$0	\$0	\$2.55	\$161
2008	\$93	\$162	\$53	\$308	\$162	\$0	\$0	\$2.55	\$165
2009	\$93	\$166	\$53	\$312	\$166	\$0	\$0	\$2.55	\$169
2010	\$93	\$170	\$53	\$316	\$170	\$0	\$0	\$2.55	\$173
2011	\$93	\$174	\$53	\$320	\$174	\$0	\$0	\$2.55	\$177
2012	\$93	\$178	\$53	\$324	\$178	\$0	\$0	\$2.55	\$181
2013	\$93	\$183	\$53	\$328	\$183	\$0	\$0	\$2.55	\$185
2014	\$93	\$187	\$53	\$333	\$187	\$0	\$0	\$2.55	\$190
2015	\$93	\$192	\$53	\$337	\$192	\$0	\$0	\$2.55	\$194
2016	\$93	\$196	\$53	\$342	\$196	\$0	\$0	\$2.55	\$199
2017	\$93	\$201	\$53	\$347	\$201	\$0	\$0	\$2.55	\$203
2018	\$93	\$206	\$53	\$351	\$206	\$0	\$0	\$2.55	\$208
2019	\$93	\$211	\$53	\$356	\$211	\$0	\$0	\$2.55	\$213
2020	\$93	\$216	\$53	\$361	\$216	\$0	\$0	\$2.55	\$218
2021	\$93	\$221	\$53	\$367	\$221	\$0	\$0	\$452.55	\$673

Present Value  
of Benefits \$3,078

Present Value  
of Costs \$2,185

<b>Benefit/Cost Ratio</b>	<b>1.41</b>
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**Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006  
Residential Appliance Retention Program  
Participants Test - Data**

Appliance Type	
Cooking	

Escalation Rates			
O&M Expenses	2.4%	Fuel rates	2.4%
Electric Fuel Adj	2.4%		

Electric KWH Cost - Table 1				
Year	Cost Per KWH	Annual KWH	Tax Rate	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	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.9382	45	10.00%	\$46
2007	\$0.9607	45	10.00%	\$48
2008	\$0.9838	45	10.00%	\$49
2009	\$1.0074	45	10.00%	\$50
2010	\$1.0316	45	10.00%	\$51
2011	\$1.0563	45	10.00%	\$52
2012	\$1.0817	45	10.00%	\$54
2013	\$1.1076	45	10.00%	\$55
2014	\$1.1342	45	10.00%	\$56
2015	\$1.1614	45	10.00%	\$57
2016	\$1.1893	45	10.00%	\$59
2017	\$1.2179	45	10.00%	\$60
2018	\$1.2471	45	10.00%	\$62
2019	\$1.2770	45	10.00%	\$63
2020	\$1.3077	45	10.00%	\$65
2021	\$1.3390	45	10.00%	\$66
2022	\$1.3712	45	10.00%	\$68
2023	\$1.4041	45	10.00%	\$70
2024	\$1.4378	45	10.00%	\$71
2025	\$1.4723	45	10.00%	\$73

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.6175	45	10.00%	\$31
2007	\$0.6323	45	10.00%	\$31
2008	\$0.6475	45	10.00%	\$32
2009	\$0.6630	45	10.00%	\$33
2010	\$0.6789	45	10.00%	\$34
2011	\$0.6952	45	10.00%	\$34
2012	\$0.7119	45	10.00%	\$35
2013	\$0.7290	45	10.00%	\$36
2014	\$0.7465	45	10.00%	\$37
2015	\$0.7644	45	10.00%	\$38
2016	\$0.7828	45	10.00%	\$39
2017	\$0.8016	45	10.00%	\$40
2018	\$0.8208	45	10.00%	\$41
2019	\$0.8405	45	10.00%	\$42
2020	\$0.8607	45	10.00%	\$43
2021	\$0.8813	45	10.00%	\$44
2022	\$0.9025	45	10.00%	\$45
2023	\$0.9241	45	10.00%	\$46
2024	\$0.9463	45	10.00%	\$47
2025	\$0.9690	45	10.00%	\$48

Gas Customer Charge - Table 4				
Year	Monthly Customer Charge	Annual Customer Charge	Appliance Annual Therms	Total Annual Therms
A	B	C	D	E
2006	\$12.50	\$150.00	45	443
2007	\$12.50	\$150.00	45	443
2008	\$12.50	\$150.00	45	443
2009	\$12.50	\$150.00	45	443
2010	\$12.50	\$150.00	45	443
2011	\$12.50	\$150.00	45	443
2012	\$12.50	\$150.00	45	443
2013	\$12.50	\$150.00	45	443
2014	\$12.50	\$150.00	45	443
2015	\$12.50	\$150.00	45	443
2016	\$12.50	\$150.00	45	443
2017	\$12.50	\$150.00	45	443
2018	\$12.50	\$150.00	45	443
2019	\$12.50	\$150.00	45	443
2020	\$12.50	\$150.00	45	443
2021	\$12.50	\$150.00	45	443
2022	\$12.50	\$150.00	45	443
2023	\$12.50	\$150.00	45	443
2024	\$12.50	\$150.00	45	443
2025	\$12.50	\$150.00	45	443

**Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006  
Residential Appliance Retention Program  
RIM Test - Calculated Data**

Appliance Type
Tankless Water Heating

Fuel Rate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M Escalator	2.4%

Depreciation Rate - Supply Main	3.30%
Depreciation Rate - Development Main	3.30%
Depreciation Rate - Service Line	3.60%
Depreciation Rate - Meter	3.90%

**Table 1**

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Charge
2006	150	\$0.6175	\$93
2007	150	\$0.6175	\$93
2008	150	\$0.6175	\$93
2009	150	\$0.6175	\$93
2010	150	\$0.6175	\$93
2011	150	\$0.6175	\$93
2012	150	\$0.6175	\$93
2013	150	\$0.6175	\$93
2014	150	\$0.6175	\$93
2015	150	\$0.6175	\$93
2016	150	\$0.6175	\$93
2017	150	\$0.6175	\$93
2018	150	\$0.6175	\$93
2019	150	\$0.6175	\$93
2020	150	\$0.6175	\$93
2021	150	\$0.6175	\$93
2022	150	\$0.6175	\$93
2023	150	\$0.6175	\$93
2024	150	\$0.6175	\$93
2025	150	\$0.6175	\$93

**Table 1a**

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	150	\$0.9382	\$141
2007	150	\$0.9607	\$144
2008	150	\$0.9838	\$148
2009	150	\$1.0074	\$151
2010	150	\$1.0316	\$155
2011	150	\$1.0563	\$158
2012	150	\$1.0817	\$162
2013	150	\$1.1076	\$166
2014	150	\$1.1342	\$170
2015	150	\$1.1614	\$174
2016	150	\$1.1893	\$178
2017	150	\$1.2179	\$183
2018	150	\$1.2471	\$187
2019	150	\$1.2770	\$192
2020	150	\$1.3077	\$196
2021	150	\$1.3390	\$201
2022	150	\$1.3712	\$206
2023	150	\$1.4041	\$211
2024	150	\$1.4378	\$216
2025	150	\$1.4723	\$221

**Table 2**

Revenue - Customer Charge				
1	2	3	4	4*3
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Customer Charge
2006	\$12.50	\$150.00	35.46%	\$53
2007	\$12.50	\$150.00	35.46%	\$53
2008	\$12.50	\$150.00	35.46%	\$53
2009	\$12.50	\$150.00	35.46%	\$53
2010	\$12.50	\$150.00	35.46%	\$53
2011	\$12.50	\$150.00	35.46%	\$53
2012	\$12.50	\$150.00	35.46%	\$53
2013	\$12.50	\$150.00	35.46%	\$53
2014	\$12.50	\$150.00	35.46%	\$53
2015	\$12.50	\$150.00	35.46%	\$53
2016	\$12.50	\$150.00	35.46%	\$53
2017	\$12.50	\$150.00	35.46%	\$53
2018	\$12.50	\$150.00	35.46%	\$53
2019	\$12.50	\$150.00	35.46%	\$53
2020	\$12.50	\$150.00	35.46%	\$53
2021	\$12.50	\$150.00	35.46%	\$53
2022	\$12.50	\$150.00	35.46%	\$53
2023	\$12.50	\$150.00	35.46%	\$53
2024	\$12.50	\$150.00	35.46%	\$53
2025	\$12.50	\$150.00	35.46%	\$53

**Table 3**

Investment Carrying Costs								
1	2	3	4	5	6	7	6*7*8	
Year	Supply Main	Development Main	Service Line	Meter	Total Investment	Cost of Debt	Ratio of Therms Consumed To Total	Investment Carrying Cost
2006	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2007	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2008	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2009	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2010	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2011	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2012	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2013	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2014	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2015	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2016	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2017	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2018	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2019	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2020	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2021	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2022	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2023	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2024	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0
2025	\$0	\$0	\$0	\$0	\$0	8.60%	35.46%	\$0

**Table 4**

Incremental Customer Costs								
1	2	3	4	5=3*4	6	7	8=6*7	5+8
Year	Monthly Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Annual Ratio Adm. Cost	Annual O&M Cost	Ratio Therms To Total Consumed	Annual Ratio O&M Cost	Total Incremental Adm. & O&M Cost
2006	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2007	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2008	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2009	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2010	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2011	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2012	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2013	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2014	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2015	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2016	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2017	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2018	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2019	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2020	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2021	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2022	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2023	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2024	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0
2025	\$0.00	\$0	35.46%	\$0	\$0	35.46%	\$0	\$0

**Table 5**

1
Year
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025



**Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006  
Residential Appliance Retention Program  
Participants Test - Cost Effective Results**

<b>Appliance Type</b>
Tankless Water Heating

Year	Year Number	Benefits				Costs							
		Avoided Electric KWH Cost	Gas Rebate	Avoided Electric Appliance O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Gas Supply Cost	Gas Energy Charge	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	\$536	\$450	\$36	\$1,022	\$950	(\$314)	\$250	\$36	\$155	\$102	\$59	\$1,237
2006	2	\$543	0	\$37	\$580	0	0	0	\$37	\$159	\$104	\$59	\$358
2007	3	\$550	0	\$38	\$588	0	0	0	\$38	\$162	\$107	\$59	\$365
2008	4	\$557	0	\$39	\$596	0	0	0	\$39	\$166	\$109	\$59	\$373
2009	5	\$564	0	\$40	\$604	0	0	0	\$40	\$170	\$112	\$59	\$380
2010	6	\$571	0	\$41	\$612	0	0	0	\$41	\$174	\$115	\$59	\$388
2011	7	\$578	0	\$42	\$620	0	0	0	\$42	\$178	\$117	\$59	\$396
2012	8	\$585	0	\$43	\$628	0	0	0	\$43	\$183	\$120	\$59	\$404
2013	9	\$592	0	\$44	\$636	0	0	0	\$44	\$187	\$123	\$59	\$412
2014	10	\$599	0	\$45	\$644	0	0	0	\$45	\$192	\$126	\$59	\$421
2015	11	\$607	0	\$46	\$652	0	0	0	\$46	\$196	\$129	\$59	\$430
2016	12	\$614	0	\$47	\$660	0	0	0	\$47	\$201	\$132	\$59	\$438
2017	13	\$621	0	\$48	\$669	0	0	0	\$48	\$206	\$135	\$59	\$448
2018	14	\$628	0	\$49	\$677	0	0	0	\$49	\$211	\$139	\$59	\$457
2019	15	\$635	0	\$50	\$685	0	0	0	\$50	\$216	\$142	\$59	\$466
2020	16	\$642	0	\$51	\$693	0	0	0	\$51	\$221	\$145	\$59	\$476
2021	17	\$649	0	\$53	\$702	0	0	0	\$53	\$226	\$149	\$59	\$486
2022	18	\$656	0	\$54	\$710	0	0	0	\$54	\$232	\$152	\$59	\$497
2023	19	\$663	0	\$55	\$718	0	0	0	\$55	\$237	\$156	\$59	\$507
2024	20	\$670	450	\$56	\$1,177	1,527	(505)	402	\$56	\$243	\$160	\$59	\$1,942

Present Value of Benefits \$6,683

Present Value of Costs \$5,125

Benefit/Cost Ratio	<b>1.30</b>
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**Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006  
Residential Appliance Retention Program  
Participants Test - Data**


tes	2.4%

Rate	Electric Cost
D	B*C*(1+D)
1.00%	\$536
1.00%	\$543
1.00%	\$550
1.00%	\$557
1.00%	\$564
1.00%	\$571
1.00%	\$578
1.00%	\$585
1.00%	\$592
1.00%	\$599
1.00%	\$607
1.00%	\$614
1.00%	\$621
1.00%	\$628
1.00%	\$635
1.00%	\$642
1.00%	\$649
1.00%	\$656
1.00%	\$663
1.00%	\$670

Gas Supply Cost - Table 2					
Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost	
A	B	C	D	B*C*(1+D)	
2006	\$0.9382	150	10.00%	\$155	
2007	\$0.9607	150	10.00%	\$159	
2008	\$0.9838	150	10.00%	\$162	
2009	\$1.0074	150	10.00%	\$166	
2010	\$1.0316	150	10.00%	\$170	
2011	\$1.0563	150	10.00%	\$174	
2012	\$1.0817	150	10.00%	\$178	
2013	\$1.1076	150	10.00%	\$183	
2014	\$1.1342	150	10.00%	\$187	
2015	\$1.1614	150	10.00%	\$192	
2016	\$1.1893	150	10.00%	\$196	
2017	\$1.2179	150	10.00%	\$201	
2018	\$1.2471	150	10.00%	\$206	
2019	\$1.2770	150	10.00%	\$211	
2020	\$1.3077	150	10.00%	\$216	
2021	\$1.3390	150	10.00%	\$221	
2022	\$1.3712	150	10.00%	\$226	
2023	\$1.4041	150	10.00%	\$232	
2024	\$1.4378	150	10.00%	\$237	
2025	\$1.4723	150	10.00%	\$243	

Gas Energy Charge - Table 3				
Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	\$0.6175	150	10.00%	\$102
2007	\$0.6323	150	10.00%	\$104
2008	\$0.6475	150	10.00%	\$107
2009	\$0.6630	150	10.00%	\$109
2010	\$0.6789	150	10.00%	\$112
2011	\$0.6952	150	10.00%	\$115
2012	\$0.7119	150	10.00%	\$117
2013	\$0.7290	150	10.00%	\$120
2014	\$0.7465	150	10.00%	\$123
2015	\$0.7644	150	10.00%	\$126
2016	\$0.7828	150	10.00%	\$129
2017	\$0.8016	150	10.00%	\$132
2018	\$0.8208	150	10.00%	\$135
2019	\$0.8405	150	10.00%	\$139
2020	\$0.8607	150	10.00%	\$142
2021	\$0.8813	150	10.00%	\$145
2022	\$0.9025	150	10.00%	\$149
2023	\$0.9241	150	10.00%	\$152
2024	\$0.9463	150	10.00%	\$156
2025	\$0.9690	150	10.00%	\$160

Gas Customer Charge - Table 4							
Year	Monthly Customer Charge	Annual Customer Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2007	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2008	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2009	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2010	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2011	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2012	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2013	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2014	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2015	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2016	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2017	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2018	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2019	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2020	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2021	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2022	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2023	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2024	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59
2025	\$12.50	\$150.00	150	423	35.46%	10.00%	\$59

**Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006  
Residential Appliance Retention Program  
Participants Test - Cost Effective Results**

<b>Appliance Type</b>
Cooking

Year	Year Number	Benefits				Costs								
		Avoided Electric KWH Cost	Gas Rebate	Avoided Electric Appliance O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gas Appliance O & M	Gas Supply Cost	Gas Energy Charge	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	\$46	\$31	\$17	\$205	
2006	2	\$149	0	\$37	\$186	0	0	0	\$37	\$48	\$31	\$17	\$132	
2007	3	\$151	0	\$38	\$189	0	0	0	\$38	\$49	\$32	\$17	\$135	
2008	4	\$153	0	\$39	\$191	0	0	0	\$39	\$50	\$33	\$17	\$138	
2009	5	\$155	0	\$40	\$194	0	0	0	\$40	\$51	\$34	\$17	\$141	
2010	6	\$157	0	\$41	\$197	0	0	0	\$41	\$52	\$34	\$17	\$144	
2011	7	\$159	0	\$42	\$200	0	0	0	\$42	\$54	\$35	\$17	\$147	
2012	8	\$161	0	\$43	\$203	0	0	0	\$43	\$55	\$36	\$17	\$150	
2013	9	\$163	0	\$44	\$206	0	0	0	\$44	\$56	\$37	\$17	\$153	
2014	10	\$165	0	\$45	\$209	0	0	0	\$45	\$57	\$38	\$17	\$157	
2015	11	\$166	0	\$46	\$212	0	0	0	\$46	\$59	\$39	\$17	\$160	
2016	12	\$168	0	\$47	\$215	0	0	0	\$47	\$60	\$40	\$17	\$163	
2017	13	\$170	0	\$48	\$218	0	0	0	\$48	\$62	\$41	\$17	\$167	
2018	14	\$172	100	\$49	\$321	626	(800)	279	\$49	\$63	\$42	\$17	\$275	
2019	15	\$174	0	\$50	\$224	0	0	0	\$50	\$65	\$43	\$17	\$174	
2020	16	\$176	0	\$51	\$228	0	0	0	\$51	\$66	\$44	\$17	\$178	
2021	17	\$178	0	\$53	\$231	0	0	0	\$53	\$68	\$45	\$17	\$182	
2022	18	\$180	0	\$54	\$234	0	0	0	\$54	\$70	\$46	\$17	\$186	
2023	19	\$182	0	\$55	\$237	0	0	0	\$55	\$71	\$47	\$17	\$190	
2024	20	\$184	0	\$56	\$240	0	0	0	\$56	\$73	\$48	\$17	\$194	

Present Value of Benefits \$2,126

Present Value of Costs \$1,592

Benefit/Cost Ratio	<b>1.34</b>
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