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November 29, 2006

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COMMISSION
CLERK

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

060772-EG

Re: Petition for Approval of Modifications to Approved Energy Conservation Programs by Chesapeake Utilities Corporation Florida Division

Dear Ms. Bayó:

Enclosed for filing, please find an original and 15 copies of Chesapeake's Petition for Approval of Modifications to Approved Energy Conservation Programs.

Please acknowledge your receipt of the enclosed filing, as well as the date of receipt, on the enclosed copy of this letter.

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

Sincerely,

Beth Keating

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

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

Petition for approval of modifications to approved energy conservation programs, by Chesapeake Utilities Corporation Florida Division	)	Docket No. 060772-EG Filed: November 29, 2006

PETITION OF CHESAPEAKE UTILITIES CORPORATION FLORIDA DIVISION FOR APPROVAL OF MODIFICATIONS TO APPROVED ENERGY CONSERVATION PROGRAMS

Chesapeake Utilities Corporation Florida Division ("Chesapeake" or the "Company"), by its undersigned attorneys, files this petition for approval of modifications to its energy conservation programs, and in support of its petition states:

1. The name, address and telephone number of the petitioner are:

   Chesapeake Utilities Corporation
   Florida Division
   P. O. Box 960
   Winter Haven, Florida 33882
   (863) 293-2125

2. The name, address and telephone and fax numbers of the person to whom notices, orders and correspondence regarding this petition are to be sent is:

   Beth Keating
   Of Counsel
   Akerman Senterfitt
   106 East College Avenue, Suite 1200
   Tallahassee, FL 32301
   (850) 224-9634 (telephone)
   (850) 222-0103 (fax)

   Attorneys for Petitioner
   The Florida Division of Chesapeake Utilities Corporation

3. Chesapeake is a natural gas local distribution company ("LDC") providing natural gas transportation service in thirteen counties in the State of Florida, and is a

public utility subject to the Commission's regulatory jurisdiction under Chapter 366, *Florida Statutes*. The Company currently provides seven Commission approved energy conservation programs pursuant to Section 366.82, Florida Statutes and Rule 25-17.015, Florida Administrative Code, and its substantial interests will be affected by the Commission's determination on the merits of this petition.

BACKGROUND

4. Chesapeake's initial energy conservation programs were approved by the Commission in the early 1980's. Chesapeake's conservation programs were last approved as cost effective by the Commission's Order No. PSC-98-1079-FOF-GU, issued in Docket No. 980427 on August 10, 1998.

5. Chesapeake's existing approved programs are described below:

(a) Residential Home Builder Program. Chesapeake's Residential Home Builder Program increases the overall penetration of natural gas in the residential single and multi-family new construction market throughout Chesapeake's service area. The overall objectives are to reduce the growth rates of electric consumption, increase the conservation of energy resources and minimize ratepayers' total energy cost. The program is designed to increase the overall energy efficiency in the new home construction market through the installation of efficient gas appliances. The incentives offered to home builders are designed to assist in defraying the cost of gas piping, venting, appliance installation and other costs associated with residential gas service. Participation in this program is open to any home builder or developer of homes who installs energy efficient natural gas heating, water heating, cooking and provides piping stub-outs for clothes drying.

(b) Residential Appliance Replacement Program. Chesapeake's Residential Appliance Replacement Program is designed to encourage the replacement of inefficient non-natural gas appliances with efficient natural gas appliances. The program seeks to reduce the growth rates of electric consumption and optimize the use of existing natural gas facilities by encouraging the replacement of non-natural gas (primarily electric resistance appliances) in the residential market. Participation in the program is open to current residential customers or potential customers (where the Company can feasibly extend service) who replace their non-natural gas water heating, central heating, cooking, clothes drying or space heating with energy efficient natural gas appliances. Cash allowances are offered to reduce the homeowner's cost of piping, venting and appliance installation.

(c) Residential Propane Distribution Program. Chesapeake's Residential Propane Distribution Program is designed to promote the use of "gas" within residential developments where the extension of natural gas service does not meet the Company's Extension of Facilities Policy. The Company provides incentives under this program in developments incorporating underground propane gas distribution facilities designed to meet natural gas operating standards. At the time natural gas distribution facilities can be feasibly extended to reach the development, the conversion of homes from propane to natural gas can be accomplished with minimum disruption to the neighborhood. The incentives paid to homebuilders or developers under this program are equal to the Company's existing Residential Homebuilder Program. The Company is proposing no change to this program.

(d) Residential Water Heater Retention Program. Chesapeake's Residential Water Heater Retention Program promotes the continued use of natural gas for water heating thereby reducing load loss through conversions to alternate fuels. The water heater is the Company's primary residential base load, and is critical to the long-term retention of natural gas service in a home. Any current customer using natural gas for water heating can participate in the program when they replace their existing unit with a new energy efficient natural gas water heater. The allowances help defray the higher first cost of a natural gas water heater compared to electric, including costs related to upgraded venting, water heater stands and other items that may be necessary to meet current building code requirements. In addition, the Company's program offers an incentive ($50) to appliance Dealers for the sale of natural gas water heaters installed in eligible residences.

(e) Natural Gas Space Conditioning for Residential Homes Program. Chesapeake administers gas space conditioning programs designed to encourage the use of natural gas space conditioning equipment in residences. The program provides incentives to qualifying participants to reduce the higher first cost of gas space conditioning systems. The program is intended to apply to both direct space conditioning and humidity control. The Company is proposing no change to this program.

(f) Gas Space Conditioning Program. This program encourages the installation of natural gas space conditioning and humidity control systems in non-residential facilities. The program provides an allowance based on the rated capacity of the

installed unit(s) up to a maximum of 500 tons. The Company is proposing no change to this program.

(g) Conservation Education Program. Chesapeake administers a natural gas energy conservation community education program. Several conservation and natural gas awareness programs are directed at schools, the homebuilding industry, appliance dealers and the general public throughout the Company's service area. The Company is proposing no change to this program.

RELIEF REQUESTED

6. By this petition, Chesapeake seeks the Commission's approval for the following modifications to three (3) of its authorized energy conservation programs:

- Proposed increase in the current cash allowances approved in the existing Residential Homebuilder Program for natural gas storage tank water heating, heating systems, cooking and clothes drying, and the addition of a natural gas tankless water heater allowance above that authorized in the existing program. Chesapeake also proposes to re-title the program for Commission filing purposes the Residential New Construction Program, and would further propose to retain the right to promote this, and other conservation programs, using naming conventions and/or branding consistent with the Company's marketing objectives.
- Proposed increase in the current cash allowances approved in the existing Residential Appliance Replacement Program for natural gas storage tank water heating, heating, cooking and clothes drying, and the addition of a natural gas tankless water heater allowance above that provided in the existing program.

- Proposed expansion of the Company's Residential Water Heater Retention Program to add natural gas heating systems, cooking and clothes drying appliances, and to increase the allowance levels of the existing natural gas water heater allowances. In addition, a separate allowance for natural gas tankless water heaters is proposed. The existing $50 Dealer incentive allowance is proposed to be discontinued. Chesapeake also proposes to re-title the program for Commission filing purposes the Residential Appliance Retention Program, and would further propose to retain the right to promote this, and other conservation programs, using naming conventions and/or branding consistent with the Company's marketing objectives.
- In all other respects Chesapeake's energy conservation programs would remain unchanged.

7. The conservation allowance amounts proposed in this petition are the result of a cooperative development effort among the member utilities of the Associated Gas Distributors of Florida ("AGDF"), which includes all of the regulated LDCs operating in Florida. Each of the member LDCs either administers an existing Commission-approved energy conservation program, or is actively planning to file a program. The residential conservation programs are especially critical to each LDC's ability to add and retain customers.

Over the past three years, four of the AGDF-member LDCs have participated in a joint energy conservation advertising and customer education program, and two other members are planning to participate this year. The AGDF statewide "Get Gas Florida" campaign is directed primarily at educating the public about the availability of approved energy conservation programs. Pooling each

LDC's conservation education funds in support of a common "Get Gas Florida" campaign reduces development costs and enables bulk purchasing discounts that greatly increase the coverage and effectiveness of the program. AGDF-member LDCs hope to establish Commission-approved energy conservation programs with identical cash allowance levels at each LDC. Current "Get Gas Florida" advertising stops short of promoting specific conservation allowances, since the current allowances are approved in different amounts for each LDC. If each LDC offered the same allowance amounts, the gas industry could deliver a more powerful message through its conservation advertising and education programs. AGDF members focused their initial efforts on developing consistent allowance amounts for the conservation programs directed toward the homebuilding industry, residential appliance replacement and appliance retention. The allowance amounts for new construction and appliance replacement proposed in this petition, and supported by Commission-required cost benefit tests, are identical to the existing Florida City Gas allowances. The Commission recently approved identical allowance levels for Florida Public Utilities Company (Order No. PSC-06-0749-PAA-GU, issued on September 5, 2006), and Peoples Gas System (Order No. PSC-06-0816-PAA-EG, issued on October 10, 2006). The Company's appliance retention allowances are proposed at the same levels as the proposed new construction allowances. Also, in the above referenced Orders, the Commission approved appliance retention program allowance levels identical to those proposed by the Company in this filing.

Residential New Construction Program

8. This program is currently called the "Residential Home Builder Program," but would be re-titled the "Residential New Construction Program." All natural gas appliances installed under the program must demonstrate compliance with the minimum efficiency standards established by the U.S. Department of Energy. (See Uniform Test Method for Measuring the Energy Consumption of Water Heaters, Appendix E to Subpart B of 10 CFR Part 430, and 10 CFR §430.32, Energy and Water Conservation Standards and Effective Dates).

9. The residential new construction cash allowances provided by Chesapeake to reduce a homebuilder's house piping and appliance installation costs help bring initial natural gas installation costs in line with the installation costs of competitive energy sources. The overall cost benefit of selecting natural gas is positive for consumers. However, homebuilders are generally more influenced by initial construction costs than they are with a homeowner's long-term operating and maintenance costs. As the cost of housing in Florida has escalated over the past few years, builders have become even more cost sensitive. Providing a cash allowance for gas installations, as this program has done since its inception, helps mitigate a homebuilder's construction cost concerns and significantly improves the likelihood that efficient, clean-burning natural gas appliances will be provided to Florida homeowners.

10. Chesapeake is proposing an increase in the current cash allowances for all appliances approved in its Residential New Construction Program primarily to address the cost increases for natural gas piping, venting and appliances in the new home market. As noted previously, the current Chesapeake residential home

builder allowances have been in place since Commission approval in 1998. The following chart depicts Chesapeake's current and proposed residential new construction allowances per appliance.

Chesapeake Residential New Construction Program Cash Allowances

	Existing	Proposed
Gas Storage Tank Water Heating	$275	$350
Gas Tankless Water Heating	$275	$450
Gas Heating	$275	$350
Gas Cooking	$ 75	$100
Gas Clothes Drying	$ 75	$100

11. As previously noted, the allowances proposed above are identical to the Commission-approved Florida Public Utilities and Peoples Gas System allowance amounts, and are identical to the Florida City Gas approved allowances with the exception of the separate allowance proposed for tankless water heating systems. Florida City Gas filed on November 14, 2006, for approval of the enhanced tankless water heating allowances. Chesapeake seeks Commission approval to establish a separate allowance of $450 for natural gas tankless water heating systems installed under its Residential New Construction Program. Chesapeake believes that a separate, higher allowance for tankless units would significantly increase installations of these highly efficient water heaters. The gas-fired tankless water heater market is growing rapidly in Florida and throughout the United States. Millions of tankless units are in operation throughout Europe and Asia. Natural gas utilities in the United States have begun to actively promote tankless technology for four principal reasons: First, the efficiency ratings of most gas-fired tankless units tested in accordance with U.S. Department of Energy test

standards are well above a .80 Energy Factor ("EF"), significantly higher than new storage tank water heaters (which typically have a .59 EF). The increased efficiency of tankless units results in substantial energy savings for homeowners. Second, most gas-fired tankless units are installed outside a home's conditioned space and require no venting, reducing installation costs and eliminating the need for indoor combustion air. Third, the exterior installation and elimination of a storage tank provide homebuilders with valuable additional interior square footage. Finally, the service life of a gas-fired tankless unit is estimated at approximately 20 years, significantly longer than the estimated 14-year life of a standard storage tank water heater.

12. Tankless technology offers builders and homeowners a gas water heating system that, compared to storage tank systems, provides greater gallon-per-minute hot water production, greater recovery efficiency ratings and higher DOE EF ratings. Most tankless water heater manufacturers are voluntarily complying with the Federal Trade Commission's Appliance Labeling Rule (16 CFR Part 305), which provides a straightforward method for homebuilders, code officials and consumers to identify EF ratings. It should also be noted that the Florida Building Commission ("FBC") issued a declaratory statement in May 2005 (Case No. DCA05-DEC-034) indicating that gas-fired tankless units are eligible to receive the highest level of energy efficiency credit available for gas water heaters in the Florida Energy Code whole house performance compliance methodology.

13. The installed cost of a residential natural gas tankless water heater with a gallon-per-minute capability sufficient to serve a typical residence (>6 gpm) and standard exterior installation is approximately $1,350. A typical residential storage tank gas

water heater installed in new construction averages approximately $650. While the life-cycle cost benefits to consumers support the installation of tankless units, as indicated in the Participants Tests, the initial cost remains a hurdle to significant market penetration. The increased allowance could help Chesapeake offset the additional expense to a homebuilder installing high efficiency natural gas tankless units.

Residential Appliance Replacement Program

14. Chesapeake proposes an increase in the current cash allowances for all appliances approved in its Residential Appliance Replacement Program primarily to address cost increases for natural gas piping, venting and appliances in the existing home appliance replacement market. The allowances for appliance replacement programs have typically been approved at higher levels than new construction or appliance retention allowances due to the increased cost associated with retrofitting an existing home with natural gas. Installing interior gas piping and venting in existing homes is more challenging than in new construction installations where piping and venting can be installed when walls, ceilings and floors are still open and accessible. The current Chesapeake appliance replacement program allowances have been in place since Commission approval in 1998. The following chart depicts the current and proposed Chesapeake appliance replacement allowances per appliance. The proposed allowances are identical to the allowances approved by the Commission for Florida City Gas, Florida Public Utilities Company and Peoples Gas System, as described above.

Chesapeake Residential Appliance Replacement Program Cash Allowances

	Current	Proposed
Gas Storage Tank Water Heating	$330	$525
Gas Tankless Water Heating	$330	$525
Gas Heating	$330	$625
Gas Cooking	$ 50	$100
Gas Clothes Drying	$ 50	$100

Residential Appliance Retention Program

15. This program is currently titled the "Residential Water Heater Retention Program," and Chesapeake seeks the Commission's approval to re-title the program the "Residential Appliance Retention Program." Chesapeake's current retention program encourages homeowners with existing natural gas water heaters to retain natural gas when the existing water heater fails. At present, Chesapeake's retention program addresses only natural gas water heating installations. As noted above, Chesapeake's proposal would expand its current retention program to add allowances for natural gas heating, clothes drying and cooking appliances to the existing water heating allowances, and establish a separate allowance for natural gas tankless water heating systems. Chesapeake seeks approval of appliance retention allowance levels identical to the proposed allowances for its Residential New Construction Program. The proposed allowances are also identical to those approved by the Commission for Florida Public Utilities and Peoples Gas System in the above referenced orders, and recently requested by Florida City Gas in Docket No. 060746.

16. Chesapeake recognizes that the cost to retain an existing customer is significantly lower than the cost to add a new customer. The proposed retention allowances

will strengthen Chesapeake's ability to retain existing gas customers and avoid the cost of meter removal and, ultimately, the cost of cutting and capping service lines (as is required by Commission rule). When a customer is lost, the typical cost to remove the meter and cut and cap the service is estimated at $350. Retaining customers also enhances Chesapeake's ability to spread its fixed operating costs over a greater number of customers, thereby assisting in mitigating the need for future rate adjustments. All ratepayers benefit from the retention of revenues from an existing customer. Although the benefit of avoiding service termination costs for existing customers is significant, Chesapeake has elected to present a conservative analysis and did not include avoided cut-and-cap costs in the RIM Test cost benefit calculations.

17. The following chart depicts the current and proposed Chesapeake retention allowances per appliance. As noted above, Chesapeake is proposing to discontinue the Dealer incentive payments provided under the current program. In the Company's view, the proposed increase in overall allowances to existing consumers, coupled with the expanded list of eligible appliances, will provide Dealers ample incentive to market natural gas appliances.

Chesapeake Residential Appliance Retention Program Cash Allowances

	Chesapeake	Proposed
Gas Storage Tank Water Heating	$100	$350
Gas Tankless Water Heating	$ 0	$450
Gas Heating	$ 0	$350
Gas Cooking	$ 0	$100
Gas Clothes Drying	$ 0	$100
Dealer	$ 50	$ 0

18. Consistent with its proposed Residential New Construction Program allowances, Chesapeake is proposing to establish a separate retention allowance for the

installation of natural gas tankless water heating systems at a level higher than that for storage water heating systems. The service life of a storage tank water heater averages approximately 14 years, and the typical efficiency rating of a storage tank water heater installed in the early 1990's was .48 EF. Given the efficiency degradation that naturally occurs as storage tank units age, and the high EF ratings of most tankless water heaters (above .80 EF), it would not be unusual to expect a new tankless installation to be twice as efficient as the water heater to be replaced. The increased allowance for tankless water heaters would help reduce the initial cost of upgrading an inefficient storage tank water heater. Chesapeake seeks Commission approval to establish a $450 allowance for gas tankless water heaters installed under the Residential Appliance Retention Program.

COST BENEFIT TESTS

19. Chesapeake has followed the Commission-approved cost effectiveness test methodologies (RIM Test and Participants Test) required by Rule 25-17.009 to determine the cost-benefit of each proposed program modification and allowance level. Attached hereto as Exhibit A is a composite document containing Chesapeake' RIM and Participants Tests demonstrating the cost benefit of the proposed program modifications for the Residential New Construction Program, the Residential Appliance Replacement Program and the Residential Appliance Retention Program. Other than the above listed programs, Chesapeake is proposing no modifications to its programs that would affect the various programs' cost benefit results as determined by the existing Commission approved RIM and Participants Tests.

20. The appliance cost, appliance installation cost and energy usage data required to complete the RIM and Participants Tests were developed through a cooperative effort of members of AGDF. Historically, the Commission has allowed LDCs to use average appliance and usage data in preparing the RIM and Participants Tests. LDCs operating in multiple jurisdictions in the state have not filed multiple regional based conservation programs. The data used to produce the Chesapeake RIM and Participants Tests are representative of appliance costs, installation costs and energy usage information on a statewide basis, and would be applicable to any LDC cost-benefit tests.

21. While many of the data elements included in this filing were jointly developed for use by several Florida LDCs, there are several data elements that are applicable solely to Chesapeake. For example, the Firm Transportation Charge (customer charge) and Usage Charge (energy charge) rates used in the analysis are Chesapeake's current Commission-approved rates for the FTS-1 and FTS-B rate classes (Chesapeake 2004 Rate Restructuring proceeding; Order No. PSC-05-0208-PAA-GU, issued on February 22, 2005). The Company's approved rate structure includes several consumer classes, based on annual therm usage, that contain residential type consumers: FTS-A (0-130 therms), FTS-B (>130-250 therms) and FTS-1 (0-500 therms). The FTS-A and FTS-B classes are closed to new consumers. The FTS-1 class includes all new services for consumers using up to 500 therms per year. Virtually all of Chesapeake's residential new construction customer additions fall into this service class. The Company also used the FTS-1 rates to evaluate its proposed Appliance Replacement Program, such rates representing a conservative analysis. The Company used the FTS-B

rates to evaluate the Appliance Retention Program. Consumers in all "residential" service classes could elect to participate in the retention program. The FTS-B rates represent the median rate level. It should be noted, that the variable Usage Charge is the same for all of the above rate classes, the only change is in the fixed monthly Firm Transportation Charge.

22. The "residential" service line, meter and regulator investment costs used in the RIM Tests are as approved in MFR Schedule E-7 in Chesapeake's 2004 Rate Restructuring filing, noted above. The New Construction and Appliance Replacement Programs use the E-7 cost data for Chesapeake's FTS-1 rate class. There are no investment requirements for the retention program, given that the program applies to existing consumers. The incremental administrative cost and operations and maintenance cost relative to adding a new consumer through the Residential New Construction Program or Residential Appliance Replacement Program are based on growth trended expense data from the 2000 Chesapeake base rate case (Order No. PSC-00-2263-FOF-GU). The RIM Tests also use Chesapeake's approved weighted average cost of capital (8.6%) from the 2000 Rate Case. The depreciation rates used in the RIM Tests are those approved by the Commission in Chesapeake' 2002 Depreciation Study (Order No. PSC-03-0319-PAA-GU, issued on March 6, 2003 in Docket No. 020304-GU).

23. The cost of gas used in the RIM and Participants Tests is the October 2006 fuel billing rate received from Infinite Energy for the Chesapeake Transitional Transportation Service (TTS) Program (Order No. PSC-02-1646-TRF-GU). The cost of electricity was developed from a weighted average of the residential rates,

including fuel adjustment rates, in place during April 2006 for the four largest Florida investor-owned Commission-regulated electric utilities.

24. The annual gas therm usage data by appliance used in the respective cost benefit tests is based on data developed by Peoples Gas System. In 1995, Peoples Gas conducted a gas appliance sub-metering research project for the specific purpose of developing residential usage data necessary for forecasting project feasibility and conservation filing cost benefit tests. The study sub-metered appliances in over 300 Peoples Gas customer residences. The residences were selected throughout the Peoples Gas service area, in the north, central and south regions of the state. Consumption data was monitored for over a year.

25. Electric appliance Kwh usage data was obtained from several sources. Resistance water heating consumption data was developed using the November 2005 *Consumer's Directory of Certified Efficiency Ratings for Heating and Water Heating Equipment* published by the Gas Appliance Manufacturers Association ("GAMA"), a national trade association representing over 90 percent of all appliances (gas and electric) manufactured in the United States. Usage data for electric heat pumps was obtained from the EnergyGauge computer model (Version: FLR3SB v4.0) used to assess compliance with the Florida Energy Efficiency Code for Building Construction. Kwh usage data for electric cooking and clothes drying was derived from a standard Btu conversion of the gas therms from the Peoples Gas study to electric Kwh.

26. Developing representative appliance installation cost data was problematic for the AGDF project team. Cost data in the new residential construction market is difficult to obtain. For competitive reasons, most homebuilders are reluctant to

provide individualized product or material costs, unless they are pricing an upgrade to their base home package. Subcontractors are equally reticent to publicly disclose component prices. In many cases, a subcontractor provides a package price for services that include gas appliance installations along with other non-gas products. For example, a plumbing contractor may provide a turn-key price for the potable water piping to a homebuilder that also includes installing the gas water heater. In addition, wholesale pricing from distributors becomes relatively meaningless given the escalation in price mark-ups on new homes over the past few years. The AGDF project team determined that, given the above concerns, the most reliable cost data would be obtained from appliance retailers with a large Florida sales presence and from nationally recognized cost estimating publications in widespread use in the residential construction industry. The data developed from these sources were compared to retail appliance cost information available through Florida Public Utilities Company, Indiantown Gas Company and St. Joe Natural Gas Company. These AGDF member companies retail and install gas appliances.

27. Appliance costs for storage tank water heaters, tankless water heaters, cooking equipment and clothes dryers was obtained from the Home Depot and Lowes web sites (www.homedepot.com and www.lowes.com). Retail cost data from both sources was available for both gas and electric appliances. Care was taken to ensure that comparable appliance models were selected for both fuel types. The appliances referenced above are available for retail purchase and delivery anywhere in the state at the prices quoted on the Home Depot or Lowes websites. Use of a major appliance retailer's published pricing provides the Commission

verifiable, real world price data. In Chesapeake's view, the retail Home Depot and/or Lowes prices provide a reasonable price point for inclusion in the RIM and Participants Tests. It should be noted that the National Energy Policy Act of 2005 provides for a $300 tax credit to homeowners purchasing a water heater with an EF greater than .80. As noted above, virtually all gas-fired tankless units are rated above .80 EF. Although the tax credit is currently available for homeowner improvements, Chesapeake elected to make a conservative analysis and has not included the tax credit in its Participants Test analysis in the appliance replacement or appliance retention programs.

28. The installation costs for the above referenced appliances were developed through a combination of efforts. AGDF member companies surveyed local plumbers, air conditioning contractors and gas fitters to obtain installation pricing. As noted previously, there was significant variation in the price points for installation, in those cases where the contractors were willing to share cost data. For example, variations of several hundred dollars were identified for gas and electric water heating installations depending on the region of the state and the market type of the residence. Finally, installation costs were obtained from the "2006 R.S. Means Residential Construction Cost Data, 25th Annual Edition", construction cost estimating guide. The R.S. Means guide is a nationally recognized construction cost estimator. R.S. Means has established material prices based on national averages and labor rates based on seven average regional wage rates. Costs can be further adjusted to over 900 locations throughout the U.S and Canada.

29. The equipment and installation costs for gas heating and electric heat pumps were also difficult to obtain for the same reasons listed above. The R.S. Means guide

was used for space heating equipment and installation costs. The costs for gas main installations (feeder main and development main) were jointly developed by the AGDF project team based on average cost data for installation of 2" plastic main (typical for residential projects).

CONCLUSION

30. The energy conservation program modifications proposed by Chesapeake reflect realistic market conditions. Increased new home incentives are needed to keep pace with increases in homebuilding costs. The authorization of natural gas tankless water heater incentives will enable Chesapeake to recognize and promote energy efficient technological advances in gas appliance manufacturing. Each of the proposed modifications meets the Commission-required cost effectiveness tests, is capable of being monitored, and will have an overall positive effect on energy conservation.

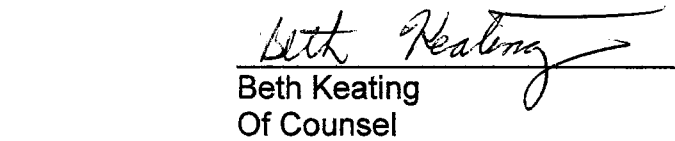
31. Chesapeake is not at this time requesting any adjustment in its approved Energy Conservation Cost Recovery billing factors. If the modifications to the allowances payable under the programs are approved as sought by this petition, the cost impact of such modifications will be incorporated in the projection filing to be made by Chesapeake for the purpose of establishing ECCR billing factors for calendar year 2008. Impact of the proposed increased allowances on Chesapeake's overall energy conservation expenses is expected to increase gradually in future years.

32. The cash allowances for which approval is sought in each residential conservation program would be paid based on the installation of the applicable appliances. Multiple allowances would be paid for multiple appliance installations in a single residence. For multi-family residential installations with central heating and/or

water heating systems, Chesapeake would pay allowances based on the number of residential dwelling units served by the central system. All requests for cash allowances under the new construction, appliance replacement or appliance retention programs received by Chesapeake subsequent to the date of Commission approval of any new allowance amounts would be paid at the new allowance levels.

WHEREFORE, Chesapeake respectfully requests that the Commission enter an Order granting this petition and approving the conservation plan modifications described herein within ninety (90) days of the filing date of this petition.

Respectfully submitted,



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Attorneys for Petitioner
The Florida Division of Chesapeake Utilities Corporation

Exhibit A

To

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program Petition
December, 2006

Ratepayer Impact Measurement Test Results
Participants Test Results

For

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

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

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

	Proposed Allowance	Participants Test	RIM Test
Gas Storage Tank Water Heating	$350	1.47	1.48
Gas Tankless Water Heating	$450	1.38	1.47
Gas Heating	$350	1.07	1.50
Gas Clothes Drying	$100	1.40	1.49
Gas Cooking	$100	1.41	1.46

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential New Construction Program
RIM Test and Participants Test Results

For

Storage Tank Water Heating

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Cost Effective Results

Appliance Type
Storage Tank Water Heating

		Benefits				Costs							
Year	Year Number	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	
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	$175	$110	$76	**$742**
2007	2	$543	0	$37	**$580**	0	0	0	$37	$180	$110	$76	**$402**
2008	3	$550	0	$38	**$588**	0	0	0	$38	$184	$110	$76	**$408**
2009	4	$557	0	$39	**$596**	0	0	0	$39	$188	$110	$76	**$413**
2010	5	$564	0	$40	**$604**	0	0	0	$40	$193	$110	$76	**$418**
2011	6	$571	0	$41	**$612**	0	0	0	$41	$198	$110	$76	**$424**
2012	7	$578	0	$42	**$620**	0	0	0	$42	$202	$110	$76	**$430**
2013	8	$585	0	$43	**$628**	0	0	0	$43	$207	$110	$76	**$436**
2014	9	$592	0	$44	**$636**	0	0	0	$44	$212	$110	$76	**$442**
2015	10	$599	0	$45	**$644**	0	0	0	$45	$217	$110	$76	**$448**
2016	11	$607	0	$46	**$652**	0	0	0	$46	$222	$110	$76	**$454**
2017	12	$614	0	$47	**$660**	0	0	0	$47	$228	$110	$76	**$460**
2018	13	$621	0	$48	**$669**	0	0	0	$48	$233	$110	$76	**$467**
2019	14	$628	350	$49	**$1,027**	361	(438)	348	$49	$239	$110	$76	**$746**
2020	15	$635	0	$50	**$685**	0	0	0	$50	$245	$110	$76	**$481**
2021	16	$642	0	$51	**$693**	0	0	0	$51	$250	$110	$76	**$488**
2022	17	$649	0	$53	**$702**	0	0	0	$53	$256	$110	$76	**$495**
2023	18	$656	0	$54	**$710**	0	0	0	$54	$263	$110	$76	**$502**
2024	19	$663	0	$55	**$718**	0	0	0	$55	$269	$110	$76	**$510**
2025	20	$670	0	$56	**$727**	0	0	0	$56	$275	$110	$76	**$518**

Present Value of Benefits	$6,613

Present Value of Costs	$4,712

Benefit/Cost Ratio	1.40

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data

Appliance Type
Storage Tank Water Heating

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	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	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.9382	170	10%	$175
2007	$0.9607	170	10%	$180
2008	$0.9838	170	10%	$184
2009	$1.0074	170	10%	$188
2010	$1.0316	170	10%	$193
2011	$1.0563	170	10%	$198
2012	$1.0817	170	10%	$202
2013	$1.1076	170	10%	$207
2014	$1.1342	170	10%	$212
2015	$1.1614	170	10%	$217
2016	$1.1893	170	10%	$222
2017	$1.2179	170	10%	$228
2018	$1.2471	170	10%	$233
2019	$1.2770	170	10%	$239
2020	$1.3077	170	10%	$245
2021	$1.3390	170	10%	$250
2022	$1.3712	170	10%	$256
2023	$1.4041	170	10%	$263
2024	$1.4378	170	10%	$269
2025	$1.4723	170	10%	$275

Gas Energy Charge - Table 3

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.5880	170	10%	$110
2007	$0.5880	170	10%	$110
2008	$0.5880	170	10%	$110
2009	$0.5880	170	10%	$110
2010	$0.5880	170	10%	$110
2011	$0.5880	170	10%	$110
2012	$0.5880	170	10%	$110
2013	$0.5880	170	10%	$110
2014	$0.5880	170	10%	$110
2015	$0.5880	170	10%	$110
2016	$0.5880	170	10%	$110
2017	$0.5880	170	10%	$110
2018	$0.5880	170	10%	$110
2019	$0.5880	170	10%	$110
2020	$0.5880	170	10%	$110
2021	$0.5880	170	10%	$110
2022	$0.5880	170	10%	$110
2023	$0.5880	170	10%	$110
2024	$0.5880	170	10%	$110
2025	$0.5880	170	10%	$110

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	$15.00	$180.00	170	443	38.37%	10%	$76
2007	$15.00	$180.00	170	443	38.37%	10%	$76
2008	$15.00	$180.00	170	443	38.37%	10%	$76
2009	$15.00	$180.00	170	443	38.37%	10%	$76
2010	$15.00	$180.00	170	443	38.37%	10%	$76
2011	$15.00	$180.00	170	443	38.37%	10%	$76
2012	$15.00	$180.00	170	443	38.37%	10%	$76
2013	$15.00	$180.00	170	443	38.37%	10%	$76
2014	$15.00	$180.00	170	443	38.37%	10%	$76
2015	$15.00	$180.00	170	443	38.37%	10%	$76
2016	$15.00	$180.00	170	443	38.37%	10%	$76
2017	$15.00	$180.00	170	443	38.37%	10%	$76
2018	$15.00	$180.00	170	443	38.37%	10%	$76
2019	$15.00	$180.00	170	443	38.37%	10%	$76
2020	$15.00	$180.00	170	443	38.37%	10%	$76
2021	$15.00	$180.00	170	443	38.37%	10%	$76
2022	$15.00	$180.00	170	443	38.37%	10%	$76
2023	$15.00	$180.00	170	443	38.37%	10%	$76
2024	$15.00	$180.00	170	443	38.37%	10%	$76
2025	$15.00	$180.00	170	443	38.37%	10%	$76

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

Appliance Type
Storage Tank 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	6 thru 9
2006	$100	$159	$69	$329	$159	$28	$31	$359.78	$578
2007	$100	$163	$69	$332	$163	$27	$32	$9.78	$231
2008	$100	$167	$69	$336	$167	$26	$32	$9.78	$235
2009	$100	$171	$69	$340	$171	$25	$33	$9.78	$239
2010	$100	$175	$69	$344	$175	$24	$34	$9.78	$243
2011	$100	$180	$69	$349	$180	$23	$35	$9.78	$247
2012	$100	$184	$69	$353	$184	$22	$36	$9.78	$252
2013	$100	$188	$69	$357	$188	$21	$37	$9.78	$256
2014	$100	$193	$69	$362	$193	$21	$37	$9.78	$261
2015	$100	$197	$69	$366	$197	$20	$39	$9.78	$266
2016	$100	$202	$69	$371	$202	$19	$39	$9.78	$271
2017	$100	$207	$69	$376	$207	$19	$40	$9.78	$275
2018	$100	$212	$69	$381	$212	$18	$41	$9.78	$281
2019	$100	$217	$69	$386	$217	$17	$42	$359.78	$636
2020	$100	$222	$69	$391	$222	$17	$43	$9.78	$292
2021	$100	$228	$69	$397	$228	$16	$44	$9.78	$298
2022	$100	$233	$69	$402	$233	$15	$45	$9.78	$304
2023	$100	$239	$69	$408	$239	$15	$46	$9.78	$310
2024	$100	$244	$69	$413	$244	$14	$48	$9.78	$316
2025	$100	$250	$69	$419	$250	$14	$49	$9.78	$323

Present Value of Benefits	**$3,526**	**Present Value of Costs**	**$2,983**

Benefit/Cost Ratio	**1.18**

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006

Residential New Construction Program

RIM Test - Calculated Data

Appliance Type
Storage Tank Water Heating

Fuel Rate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	170	$0.5880	$100
2007	170	$0.5880	$100
2008	170	$0.5880	$100
2009	170	$0.5880	$100
2010	170	$0.5880	$100
2011	170	$0.5880	$100
2012	170	$0.5880	$100
2013	170	$0.5880	$100
2014	170	$0.5880	$100
2015	170	$0.5880	$100
2016	170	$0.5880	$100
2017	170	$0.5880	$100
2018	170	$0.5880	$100
2019	170	$0.5880	$100
2020	170	$0.5880	$100
2021	170	$0.5880	$100
2022	170	$0.5880	$100
2023	170	$0.5880	$100
2024	170	$0.5880	$100
2025	170	$0.5880	$100

Table 1a

Revenue - Cost of Gas

1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	170	$0.9382	$159
2007	170	$0.9607	$163
2008	170	$0.9838	$167
2009	170	$1.0074	$171
2010	170	$1.0316	$175
2011	170	$1.0563	$180
2012	170	$1.0817	$184
2013	170	$1.1076	$188
2014	170	$1.1342	$193
2015	170	$1.1614	$197
2016	170	$1.1893	$202
2017	170	$1.2179	$207
2018	170	$1.2471	$212
2019	170	$1.2770	$217
2020	170	$1.3077	$222
2021	170	$1.3390	$228
2022	170	$1.3712	$233
2023	170	$1.4041	$239
2024	170	$1.4378	$244
2025	170	$1.4723	$250

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	38.37%	$69
2007	$15.00	$180.00	38.37%	$69
2008	$15.00	$180.00	38.37%	$69
2009	$15.00	$180.00	38.37%	$69
2010	$15.00	$180.00	38.37%	$69
2011	$15.00	$180.00	38.37%	$69
2012	$15.00	$180.00	38.37%	$69
2013	$15.00	$180.00	38.37%	$69
2014	$15.00	$180.00	38.37%	$69
2015	$15.00	$180.00	38.37%	$69
2016	$15.00	$180.00	38.37%	$69
2017	$15.00	$180.00	38.37%	$69
2018	$15.00	$180.00	38.37%	$69
2019	$15.00	$180.00	38.37%	$69
2020	$15.00	$180.00	38.37%	$69
2021	$15.00	$180.00	38.37%	$69
2022	$15.00	$180.00	38.37%	$69
2023	$15.00	$180.00	38.37%	$69
2024	$15.00	$180.00	38.37%	$69
2025	$15.00	$180.00	38.37%	$69

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$140	$470	$180	$840	8.60%	38.37%	$28
2007	$48	$135	$453	$173	$809	8.60%	38.37%	$27
2008	$46	$131	$437	$166	$780	8.60%	38.37%	$26
2009	$44	$127	$421	$160	$752	8.60%	38.37%	$25
2010	$43	$123	$406	$154	$726	8.60%	38.37%	$24
2011	$42	$119	$391	$148	$700	8.60%	38.37%	$23
2012	$41	$115	$377	$142	$675	8.60%	38.37%	$22
2013	$40	$111	$363	$136	$650	8.60%	38.37%	$21
2014	$39	$107	$350	$131	$627	8.60%	38.37%	$21
2015	$38	$103	$337	$126	$604	8.60%	38.37%	$20
2016	$37	$100	$325	$121	$583	8.60%	38.37%	$19
2017	$36	$97	$313	$116	$562	8.60%	38.37%	$19
2018	$35	$94	$302	$111	$542	8.60%	38.37%	$18
2019	$34	$91	$291	$107	$523	8.60%	38.37%	$17
2020	$33	$88	$281	$103	$505	8.60%	38.37%	$17
2021	$32	$85	$271	$99	$487	8.60%	38.37%	$16
2022	$31	$82	$261	$95	$469	8.60%	38.37%	$15
2023	$30	$79	$252	$91	$452	8.60%	38.37%	$15
2024	$29	$76	$243	$87	$435	8.60%	38.37%	$14
2025	$28	$73	$234	$84	$419	8.60%	38.37%	$14

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	$4.01	$48	38.37%	$18.42	$32.81	38.37%	$13	$31
2007	$4.11	$49	38.37%	$18.80	$33.60	38.37%	$13	$32
2008	$4.20	$50	38.37%	$19.19	$34.40	38.37%	$13	$32
2009	$4.31	$52	38.37%	$19.95	$35.23	38.37%	$14	$33
2010	$4.41	$53	38.37%	$20.34	$36.07	38.37%	$14	$34
2011	$4.51	$54	38.37%	$20.72	$36.94	38.37%	$14	$35
2012	$4.62	$55	38.37%	$21.11	$37.83	38.37%	$15	$36
2013	$4.73	$57	38.37%	$21.87	$38.74	38.37%	$15	$37
2014	$4.85	$58	38.37%	$22.26	$39.66	38.37%	$15	$37
2015	$4.96	$60	38.37%	$23.02	$40.62	38.37%	$16	$39
2016	$5.08	$61	38.37%	$23.41	$41.59	38.37%	$16	$39
2017	$5.21	$62	38.37%	$23.79	$42.59	38.37%	$16	$40
2018	$5.33	$64	38.37%	$24.56	$43.61	38.37%	$17	$41
2019	$5.46	$65	38.37%	$24.94	$44.66	38.37%	$17	$42
2020	$5.59	$67	38.37%	$25.71	$45.73	38.37%	$18	$43
2021	$5.72	$69	38.37%	$26.48	$46.83	38.37%	$18	$44
2022	$5.86	$70	38.37%	$26.86	$47.95	38.37%	$18	$45
2023	$6.00	$72	38.37%	$27.63	$49.10	38.37%	$19	$46
2024	$6.15	$74	38.37%	$28.40	$50.28	38.37%	$19	$48
2025	$6.29	$76	38.37%	$29.16	$51.49	38.37%	$20	$49

Table 5

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2006	170	0.9382	$159
2007	170	$0.9607	$163
2008	170	$0.9838	$167
2009	170	$1.0074	$171
2010	170	$1.0316	$175
2011	170	$1.0563	$180
2012	170	$1.0817	$184
2013	170	$1.1076	$188
2014	170	$1.1342	$193
2015	170	$1.1614	$197
2016	170	$1.1893	$202
2017	170	$1.2179	$207
2018	170	$1.2471	$212
2019	170	$1.2770	$217
2020	170	$1.3077	$222
2021	170	$1.3390	$228
2022	170	$1.3712	$233
2023	170	$1.4041	$239
2024	170	$1.4378	$244
2025	170	$1.4723	$250

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential New Construction Program
RIM Test and Participants Test Results

For

Tankless Water Heating

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Cost Effective Results

Appliance Type
Tankless Water Heating

		Benefits				Costs							
Year	Year Number	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	
1	2	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	$155	$97	$70	**$1,394**
2007	2	$543	0	$37	**$580**	0	0	0	$37	$159	$99	$70	**$365**
2008	3	$550	0	$38	**$588**	0	0	0	$38	$162	$102	$70	**$372**
2009	4	$557	0	$39	**$596**	0	0	0	$39	$166	$104	$70	**$379**
2010	5	$564	0	$40	**$604**	0	0	0	$40	$170	$107	$70	**$387**
2011	6	$571	0	$41	**$612**	0	0	0	$41	$174	$109	$70	**$394**
2012	7	$578	0	$42	**$620**	0	0	0	$42	$178	$112	$70	**$402**
2013	8	$585	0	$43	**$628**	0	0	0	$43	$183	$115	$70	**$410**
2014	9	$592	0	$44	**$636**	0	0	0	$44	$187	$117	$70	**$418**
2015	10	$599	0	$45	**$644**	0	0	0	$45	$192	$120	$70	**$427**
2016	11	$607	0	$46	**$652**	0	0	0	$46	$196	$123	$70	**$435**
2017	12	$614	0	$47	**$660**	0	0	0	$47	$201	$126	$70	**$444**
2018	13	$621	0	$48	**$669**	0	0	0	$48	$206	$129	$70	**$453**
2019	14	$628	0	$49	**$677**	0	0	0	$49	$211	$132	$70	**$462**
2020	15	$635	0	$50	**$685**	0	0	0	$50	$216	$135	$70	**$471**
2021	16	$642	0	$51	**$693**	0	0	0	$51	$221	$138	$70	**$481**
2022	17	$649	0	$53	**$702**	0	0	0	$53	$226	$142	$70	**$491**
2023	18	$656	0	$54	**$710**	0	0	0	$54	$232	$145	$70	**$501**
2024	19	$663	0	$55	**$718**	0	0	0	$55	$237	$149	$70	**$511**
2025	20	$670	450	$56	**$1,177**	1,527	(505)	402	$56	$243	$152	$70	**$1,946**

Present Value of Benefits	$6,683

Present Value of Costs	$5,322

Benefit/Cost Ratio	1.26

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data

Appliance Type
Tankless Water Heating

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	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	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	$0.5880	150	10.00%	$97
2007	$0.6021	150	10.00%	$99
2008	$0.6166	150	10.00%	$102
2009	$0.6314	150	10.00%	$104
2010	$0.6465	150	10.00%	$107
2011	$0.6620	150	10.00%	$109
2012	$0.6779	150	10.00%	$112
2013	$0.6942	150	10.00%	$115
2014	$0.7109	150	10.00%	$117
2015	$0.7279	150	10.00%	$120
2016	$0.7454	150	10.00%	$123
2017	$0.7633	150	10.00%	$126
2018	$0.7816	150	10.00%	$129
2019	$0.8004	150	10.00%	$132
2020	$0.8196	150	10.00%	$135
2021	$0.8392	150	10.00%	$138
2022	$0.8594	150	10.00%	$142
2023	$0.8800	150	10.00%	$145
2024	$0.9011	150	10.00%	$149
2025	$0.9227	150	10.00%	$152

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	$15.00	$180.00	150	423	35.46%	10.00%	$70
2007	$15.00	$180.00	150	423	35.46%	10.00%	$70
2008	$15.00	$180.00	150	423	35.46%	10.00%	$70
2009	$15.00	$180.00	150	423	35.46%	10.00%	$70
2010	$15.00	$180.00	150	423	35.46%	10.00%	$70
2011	$15.00	$180.00	150	423	35.46%	10.00%	$70
2012	$15.00	$180.00	150	423	35.46%	10.00%	$70
2013	$15.00	$180.00	150	423	35.46%	10.00%	$70
2014	$15.00	$180.00	150	423	35.46%	10.00%	$70
2015	$15.00	$180.00	150	423	35.46%	10.00%	$70
2016	$15.00	$180.00	150	423	35.46%	10.00%	$70
2017	$15.00	$180.00	150	423	35.46%	10.00%	$70
2018	$15.00	$180.00	150	423	35.46%	10.00%	$70
2019	$15.00	$180.00	150	423	35.46%	10.00%	$70
2020	$15.00	$180.00	150	423	35.46%	10.00%	$70
2021	$15.00	$180.00	150	423	35.46%	10.00%	$70
2022	$15.00	$180.00	150	423	35.46%	10.00%	$70
2023	$15.00	$180.00	150	423	35.46%	10.00%	$70
2024	$15.00	$180.00	150	423	35.46%	10.00%	$70
2025	$15.00	$180.00	150	423	35.46%	10.00%	$70

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

Appliance Type
Tankless Water Heating

FuelRate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	$0.5880	$88
2007	150	$0.5880	$88
2008	150	$0.5880	$88
2009	150	$0.5880	$88
2010	150	$0.5880	$88
2011	150	$0.5880	$88
2012	150	$0.5880	$88
2013	150	$0.5880	$88
2014	150	$0.5880	$88
2015	150	$0.5880	$88
2016	150	$0.5880	$88
2017	150	$0.5880	$88
2018	150	$0.5880	$88
2019	150	$0.5880	$88
2020	150	$0.5880	$88
2021	150	$0.5880	$88
2022	150	$0.5880	$88
2023	150	$0.5880	$88
2024	150	$0.5880	$88
2025	150	$0.5880	$88

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	$15.00	$180.00	35.46%	$64
2007	$15.00	$180.00	35.46%	$64
2008	$15.00	$180.00	35.46%	$64
2009	$15.00	$180.00	35.46%	$64
2010	$15.00	$180.00	35.46%	$64
2011	$15.00	$180.00	35.46%	$64
2012	$15.00	$180.00	35.46%	$64
2013	$15.00	$180.00	35.46%	$64
2014	$15.00	$180.00	35.46%	$64
2015	$15.00	$180.00	35.46%	$64
2016	$15.00	$180.00	35.46%	$64
2017	$15.00	$180.00	35.46%	$64
2018	$15.00	$180.00	35.46%	$64
2019	$15.00	$180.00	35.46%	$64
2020	$15.00	$180.00	35.46%	$64
2021	$15.00	$180.00	35.46%	$64
2022	$15.00	$180.00	35.46%	$64
2023	$15.00	$180.00	35.46%	$64
2024	$15.00	$180.00	35.46%	$64
2025	$15.00	$180.00	35.46%	$64

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$140	$470	$180	$840	8.60%	35.46%	$26
2007	$48	$135	$453	$173	$809	8.60%	35.46%	$25
2008	$46	$131	$437	$166	$780	8.60%	35.46%	$24
2009	$44	$127	$421	$160	$752	8.60%	35.46%	$23
2010	$43	$123	$406	$154	$726	8.60%	35.46%	$22
2011	$42	$119	$391	$148	$700	8.60%	35.46%	$21
2012	$41	$115	$377	$142	$675	8.60%	35.46%	$21
2013	$40	$111	$363	$136	$650	8.60%	35.46%	$20
2014	$39	$107	$350	$131	$627	8.60%	35.46%	$19
2015	$38	$103	$337	$126	$604	8.60%	35.46%	$18
2016	$37	$100	$325	$121	$583	8.60%	35.46%	$18
2017	$36	$97	$313	$116	$562	8.60%	35.46%	$17
2018	$35	$94	$302	$111	$542	8.60%	35.46%	$17
2019	$34	$91	$291	$107	$523	8.60%	35.46%	$16
2020	$33	$88	$281	$103	$505	8.60%	35.46%	$15
2021	$32	$85	$271	$99	$487	8.60%	35.46%	$15
2022	$31	$82	$261	$95	$469	8.60%	35.46%	$14
2023	$30	$79	$252	$91	$452	8.60%	35.46%	$14
2024	$29	$76	$243	$87	$435	8.60%	35.46%	$13
2025	$28	$73	$234	$84	$419	8.60%	35.46%	$13

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	$4.01	$48	35.46%	$17.02	$32.81	35.46%	$12	$29
2007	$4.11	$49	35.46%	$17.38	$33.60	35.46%	$12	$29
2008	$4.20	$50	35.46%	$17.73	$34.40	35.46%	$12	$30
2009	$4.31	$52	35.46%	$18.44	$35.23	35.46%	$12	$31
2010	$4.41	$53	35.46%	$18.79	$36.07	35.46%	$13	$32
2011	$4.51	$54	35.46%	$19.15	$36.94	35.46%	$13	$32
2012	$4.62	$55	35.46%	$19.50	$37.83	35.46%	$13	$33
2013	$4.73	$57	35.46%	$20.21	$38.74	35.46%	$14	$34
2014	$4.85	$58	35.46%	$20.57	$39.66	35.46%	$14	$35
2015	$4.96	$60	35.46%	$21.28	$40.62	35.46%	$14	$36
2016	$5.08	$61	35.46%	$21.63	$41.59	35.46%	$15	$36
2017	$5.21	$62	35.46%	$21.99	$42.59	35.46%	$15	$37
2018	$5.33	$64	35.46%	$22.70	$43.61	35.46%	$15	$38
2019	$5.46	$65	35.46%	$23.05	$44.66	35.46%	$16	$39
2020	$5.59	$67	35.46%	$23.76	$45.73	35.46%	$16	$40
2021	$5.72	$69	35.46%	$24.47	$46.83	35.46%	$17	$41
2022	$5.86	$70	35.46%	$24.82	$47.95	35.46%	$17	$42
2023	$6.00	$72	35.46%	$25.53	$49.10	35.46%	$17	$43
2024	$6.15	$74	35.46%	$26.24	$50.28	35.46%	$18	$44
2025	$6.29	$76	35.46%	$26.95	$51.49	35.46%	$18	$45

Table 5

Gas Costs

1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
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

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data

Appliance Type
Heating System

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	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	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.9382	178	10.00%	$184
2007	$0.9607	178	10.00%	$188
2008	$0.9838	178	10.00%	$193
2009	$1.0074	178	10.00%	$197
2010	$1.0316	178	10.00%	$202
2011	$1.0563	178	10.00%	$207
2012	$1.0817	178	10.00%	$212
2013	$1.1076	178	10.00%	$217
2014	$1.1342	178	10.00%	$222
2015	$1.1614	178	10.00%	$227
2016	$1.1893	178	10.00%	$233
2017	$1.2179	178	10.00%	$238
2018	$1.2471	178	10.00%	$244
2019	$1.2770	178	10.00%	$250
2020	$1.3077	178	10.00%	$256
2021	$1.3390	178	10.00%	$262
2022	$1.3712	178	10.00%	$268
2023	$1.4041	178	10.00%	$275
2024	$1.4378	178	10.00%	$282
2025	$1.4723	178	10.00%	$288

Gas Energy Charge - Table 3

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.5880	178	10.00%	$115
2007	$0.5880	178	10.00%	$115
2008	$0.5880	178	10.00%	$115
2009	$0.5880	178	10.00%	$115
2010	$0.5880	178	10.00%	$115
2011	$0.5880	178	10.00%	$115
2012	$0.5880	178	10.00%	$115
2013	$0.5880	178	10.00%	$115
2014	$0.5880	178	10.00%	$115
2015	$0.5880	178	10.00%	$115
2016	$0.5880	178	10.00%	$115
2017	$0.5880	178	10.00%	$115
2018	$0.5880	178	10.00%	$115
2019	$0.5880	178	10.00%	$115
2020	$0.5880	178	10.00%	$115
2021	$0.5880	178	10.00%	$115
2022	$0.5880	178	10.00%	$115
2023	$0.5880	178	10.00%	$115
2024	$0.5880	178	10.00%	$115
2025	$0.5880	178	10.00%	$115

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	$15.00	$180.00	178	443	40.18%	10.00%	$80
2007	$15.00	$180.00	178	443	40.18%	10.00%	$80
2008	$15.00	$180.00	178	443	40.18%	10.00%	$80
2009	$15.00	$180.00	178	443	40.18%	10.00%	$80
2010	$15.00	$180.00	178	443	40.18%	10.00%	$80
2011	$15.00	$180.00	178	443	40.18%	10.00%	$80
2012	$15.00	$180.00	178	443	40.18%	10.00%	$80
2013	$15.00	$180.00	178	443	40.18%	10.00%	$80
2014	$15.00	$180.00	178	443	40.18%	10.00%	$80
2015	$15.00	$180.00	178	443	40.18%	10.00%	$80
2016	$15.00	$180.00	178	443	40.18%	10.00%	$80
2017	$15.00	$180.00	178	443	40.18%	10.00%	$80
2018	$15.00	$180.00	178	443	40.18%	10.00%	$80
2019	$15.00	$180.00	178	443	40.18%	10.00%	$80
2020	$15.00	$180.00	178	443	40.18%	10.00%	$80
2021	$15.00	$180.00	178	443	40.18%	10.00%	$80
2022	$15.00	$180.00	178	443	40.18%	10.00%	$80
2023	$15.00	$180.00	178	443	40.18%	10.00%	$80
2024	$15.00	$180.00	178	443	40.18%	10.00%	$80
2025	$15.00	$180.00	178	443	40.18%	10.00%	$80

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

Appliance Type
Heating System

Fuel Rate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	178	$0.5880	$105
2007	178	$0.5880	$105
2008	178	$0.5880	$105
2009	178	$0.5880	$105
2010	178	$0.5880	$105
2011	178	$0.5880	$105
2012	178	$0.5880	$105
2013	178	$0.5880	$105
2014	178	$0.5880	$105
2015	178	$0.5880	$105
2016	178	$0.5880	$105
2017	178	$0.5880	$105
2018	178	$0.5880	$105
2019	178	$0.5880	$105
2020	178	$0.5880	$105
2021	178	$0.5880	$105
2022	178	$0.5880	$105
2023	178	$0.5880	$105
2024	178	$0.5880	$105
2025	178	$0.5880	$105

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

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$140	$470	$180	$840	8.60%	40.18%	$29
2007	$48	$135	$453	$173	$809	8.60%	40.18%	$28
2008	$46	$131	$437	$166	$780	8.60%	40.18%	$27
2009	$44	$127	$421	$160	$752	8.60%	40.18%	$26
2010	$43	$123	$406	$154	$726	8.60%	40.18%	$25
2011	$42	$119	$391	$148	$700	8.60%	40.18%	$24
2012	$41	$115	$377	$142	$675	8.60%	40.18%	$23
2013	$40	$111	$363	$136	$650	8.60%	40.18%	$22
2014	$39	$107	$350	$131	$627	8.60%	40.18%	$22
2015	$38	$103	$337	$126	$604	8.60%	40.18%	$21
2016	$37	$100	$325	$121	$583	8.60%	40.18%	$20
2017	$36	$97	$313	$116	$562	8.60%	40.18%	$19
2018	$35	$94	$302	$111	$542	8.60%	40.18%	$19
2019	$34	$91	$291	$107	$523	8.60%	40.18%	$18
2020	$33	$88	$281	$103	$505	8.60%	40.18%	$17
2021	$32	$85	$271	$99	$487	8.60%	40.18%	$17
2022	$31	$82	$261	$95	$469	8.60%	40.18%	$16
2023	$30	$79	$252	$91	$452	8.60%	40.18%	$16
2024	$29	$76	$243	$87	$435	8.60%	40.18%	$15
2025	$28	$73	$234	$84	$419	8.60%	40.18%	$14

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	$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	$0.9382	$167
2008	178	$0.9382	$167
2009	178	$0.9382	$167
2010	178	$0.9382	$167
2011	178	$0.9382	$167
2012	178	$0.9382	$167
2013	178	$0.9382	$167
2014	178	$0.9382	$167
2015	178	$0.9382	$167
2016	178	$0.9382	$167
2017	178	$0.9382	$167
2018	178	$0.9382	$167
2019	178	$0.9382	$167
2020	178	$0.9382	$167
2021	178	$0.9382	$167
2022	178	$0.9382	$167
2023	178	$0.9382	$167
2024	178	$0.9382	$167
2025	178	$0.9382	$167

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data

Appliance Type
Cooking

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	$0.5880	45	10.00%	$29
2007	$0.6021	45	10.00%	$30
2008	$0.6166	45	10.00%	$31
2009	$0.6314	45	10.00%	$31
2010	$0.6465	45	10.00%	$32
2011	$0.6620	45	10.00%	$33
2012	$0.6778	45	10.00%	$34
2013	$0.6942	45	10.00%	$34
2014	$0.7109	45	10.00%	$35
2015	$0.7279	45	10.00%	$36
2016	$0.7454	45	10.00%	$37
2017	$0.7633	45	10.00%	$38
2018	$0.7816	45	10.00%	$39
2019	$0.8004	45	10.00%	$40
2020	$0.8196	45	10.00%	$41
2021	$0.8392	45	10.00%	$42
2022	$0.8594	45	10.00%	$43
2023	$0.8800	45	10.00%	$44
2024	$0.9011	45	10.00%	$45
2025	$0.9227	45	10.00%	$46

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	$15.00	$180.00	45	443	10.16%	10.00%	$20
2007	$15.00	$180.00	45	443	10.16%	10.00%	$20
2008	$15.00	$180.00	45	443	10.16%	10.00%	$20
2009	$15.00	$180.00	45	443	10.16%	10.00%	$20
2010	$15.00	$180.00	45	443	10.16%	10.00%	$20
2011	$15.00	$180.00	45	443	10.16%	10.00%	$20
2012	$15.00	$180.00	45	443	10.16%	10.00%	$20
2013	$15.00	$180.00	45	443	10.16%	10.00%	$20
2014	$15.00	$180.00	45	443	10.16%	10.00%	$20
2015	$15.00	$180.00	45	443	10.16%	10.00%	$20
2016	$15.00	$180.00	45	443	10.16%	10.00%	$20
2017	$15.00	$180.00	45	443	10.16%	10.00%	$20
2018	$15.00	$180.00	45	443	10.16%	10.00%	$20
2019	$15.00	$180.00	45	443	10.16%	10.00%	$20
2020	$15.00	$180.00	45	443	10.16%	10.00%	$20
2021	$15.00	$180.00	45	443	10.16%	10.00%	$20
2022	$15.00	$180.00	45	443	10.16%	10.00%	$20
2023	$15.00	$180.00	45	443	10.16%	10.00%	$20
2024	$15.00	$180.00	45	443	10.16%	10.00%	$20
2025	$15.00	$180.00	45	443	10.16%	10.00%	$20

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

Appliance Type

Cooking

	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	$26	$42	$18	$87	$42	$7	$8	$102.60	$160
2007	$26	$43	$18	$88	$43	$7	$8	$2.60	$61
2008	$26	$44	$18	$89	$44	$7	$9	$2.60	$62
2009	$26	$45	$18	$90	$45	$7	$9	$2.60	$63
2010	$26	$46	$18	$91	$46	$6	$9	$2.60	$64
2011	$26	$48	$18	$92	$48	$6	$9	$2.60	$65
2012	$26	$49	$18	$93	$49	$6	$9	$2.60	$67
2013	$26	$50	$18	$95	$50	$6	$10	$2.60	$68
2014	$26	$51	$18	$96	$51	$5	$10	$2.60	$69
2015	$26	$52	$18	$97	$52	$5	$10	$2.60	$70
2016	$26	$54	$18	$98	$54	$5	$10	$2.60	$72
2017	$26	$55	$18	$100	$55	$5	$11	$2.60	$73
2018	$26	$56	$18	$101	$56	$5	$11	$2.60	$74
2019	$26	$57	$18	$102	$57	$5	$11	$102.60	$176
2020	$26	$59	$18	$104	$59	$4	$11	$2.60	$77
2021	$26	$60	$18	$105	$60	$4	$12	$2.60	$79
2022	$26	$62	$18	$106	$62	$4	$12	$2.60	$80
2023	$26	$63	$18	$108	$63	$4	$12	$2.60	$82
2024	$26	$65	$18	$109	$65	$4	$13	$2.60	$84
2025	$26	$66	$18	$111	$66	$4	$13	$2.60	$85

Present Value of Benefits	**$933**	**Present Value of Costs**	**$799**

Benefit/Cost Ratio	**1.17**

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

Appliance Type
Cooking

Fuel Rate Escalator	2.4%
Base Rate Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	45	$0.5880	$26
2007	45	$0.5880	$26
2008	45	$0.5880	$26
2009	45	$0.5880	$26
2010	45	$0.5880	$26
2011	45	$0.5880	$26
2012	45	$0.5880	$26
2013	45	$0.5880	$26
2014	45	$0.5880	$26
2015	45	$0.5880	$26
2016	45	$0.5880	$26
2017	45	$0.5880	$26
2018	45	$0.5880	$26
2019	45	$0.5880	$26
2020	45	$0.5880	$26
2021	45	$0.5880	$26
2022	45	$0.5880	$26
2023	45	$0.5880	$26
2024	45	$0.5880	$26
2025	45	$0.5880	$26

Table 1a

Revenue - Cost of Gas

1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	45	$0.9382	$42
2007	45	$0.9607	$43
2008	45	$0.9838	$44
2009	45	$1.0074	$45
2010	45	$1.0316	$46
2011	45	$1.0563	$48
2012	45	$1.0817	$49
2013	45	$1.1076	$50
2014	45	$1.1342	$51
2015	45	$1.1614	$52
2016	45	$1.1893	$54
2017	45	$1.2179	$55
2018	45	$1.2471	$56
2019	45	$1.2770	$57
2020	45	$1.3077	$59
2021	45	$1.3390	$60
2022	45	$1.3712	$62
2023	45	$1.4041	$63
2024	45	$1.4378	$65
2025	45	$1.4723	$66

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	10.16%	$18
2007	$15.00	$180.00	10.16%	$18
2008	$15.00	$180.00	10.16%	$18
2009	$15.00	$180.00	10.16%	$18
2010	$15.00	$180.00	10.16%	$18
2011	$15.00	$180.00	10.16%	$18
2012	$15.00	$180.00	10.16%	$18
2013	$15.00	$180.00	10.16%	$18
2014	$15.00	$180.00	10.16%	$18
2015	$15.00	$180.00	10.16%	$18
2016	$15.00	$180.00	10.16%	$18
2017	$15.00	$180.00	10.16%	$18
2018	$15.00	$180.00	10.16%	$18
2019	$15.00	$180.00	10.16%	$18
2020	$15.00	$180.00	10.16%	$18
2021	$15.00	$180.00	10.16%	$18
2022	$15.00	$180.00	10.16%	$18
2023	$15.00	$180.00	10.16%	$18
2024	$15.00	$180.00	10.16%	$18
2025	$15.00	$180.00	10.16%	$18

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$140	$470	$180	$840	8.60%	10.16%	$7
2007	$48	$135	$453	$173	$809	8.60%	10.16%	$7
2008	$46	$131	$437	$166	$780	8.60%	10.16%	$7
2009	$44	$127	$421	$160	$752	8.60%	10.16%	$7
2010	$43	$123	$406	$154	$726	8.60%	10.16%	$6
2011	$42	$119	$391	$148	$700	8.60%	10.16%	$6
2012	$41	$115	$377	$142	$675	8.60%	10.16%	$6
2013	$40	$111	$363	$136	$650	8.60%	10.16%	$6
2014	$39	$107	$350	$131	$627	8.60%	10.16%	$5
2015	$38	$103	$337	$126	$604	8.60%	10.16%	$5
2016	$37	$100	$325	$121	$583	8.60%	10.16%	$5
2017	$36	$97	$313	$116	$562	8.60%	10.16%	$5
2018	$35	$94	$302	$111	$542	8.60%	10.16%	$5
2019	$34	$91	$291	$107	$523	8.60%	10.16%	$5
2020	$33	$88	$281	$103	$505	8.60%	10.16%	$4
2021	$32	$85	$271	$99	$487	8.60%	10.16%	$4
2022	$31	$82	$261	$95	$469	8.60%	10.16%	$4
2023	$30	$79	$252	$91	$452	8.60%	10.16%	$4
2024	$29	$76	$243	$87	$435	8.60%	10.16%	$4
2025	$28	$73	$234	$84	$419	8.60%	10.16%	$4

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	$4.01	$48	10.16%	$4.88	$32.81	10.16%	$3	$8
2007	$4.11	$49	10.16%	$4.98	$33.60	10.16%	$3	$8
2008	$4.20	$50	10.16%	$5.08	$34.40	10.16%	$3	$9
2009	$4.31	$52	10.16%	$5.28	$35.23	10.16%	$4	$9
2010	$4.41	$53	10.16%	$5.38	$36.07	10.16%	$4	$9
2011	$4.51	$54	10.16%	$5.49	$36.94	10.16%	$4	$9
2012	$4.62	$55	10.16%	$5.59	$37.83	10.16%	$4	$9
2013	$4.73	$57	10.16%	$5.79	$38.74	10.16%	$4	$10
2014	$4.85	$58	10.16%	$5.89	$39.66	10.16%	$4	$10
2015	$4.98	$60	10.16%	$6.09	$40.62	10.16%	$4	$10
2016	$5.08	$61	10.16%	$6.20	$41.59	10.16%	$4	$10
2017	$5.21	$62	10.16%	$6.30	$42.59	10.16%	$4	$11
2018	$5.33	$64	10.16%	$6.50	$43.61	10.16%	$4	$11
2019	$5.46	$65	10.16%	$6.60	$44.66	10.16%	$5	$11
2020	$5.59	$67	10.16%	$6.81	$45.73	10.16%	$5	$11
2021	$5.72	$69	10.16%	$7.01	$46.83	10.16%	$5	$12
2022	$5.86	$70	10.16%	$7.11	$47.95	10.16%	$5	$12
2023	$6.00	$72	10.16%	$7.31	$49.10	10.16%	$5	$12
2024	$6.15	$74	10.16%	$7.52	$50.28	10.16%	$5	$13
2025	$6.29	$76	10.16%	$7.72	$51.49	10.16%	$5	$13

Table 5

Gas Costs

1	2	3	2*3
Year	*Therms*	*Commodity Gas Supply Cost*	*Gas Supply Cost*
2006	45	0.9382	$42
2007	45	$0.9607	$43
2008	45	$0.9838	$44
2009	45	$1.0074	$45
2010	45	$1.0316	$46
2011	45	$1.0563	$48
2012	45	$1.0817	$49
2013	45	$1.1076	$50
2014	45	$1.1342	$51
2015	45	$1.1614	$52
2016	45	$1.1893	$54
2017	45	$1.2179	$55
2018	45	$1.2471	$56
2019	45	$1.2770	$57
2020	45	$1.3077	$59
2021	45	$1.3390	$60
2022	45	$1.3712	$62
2023	45	$1.4041	$63
2024	45	$1.4378	$65
2025	45	$1.4723	$66

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential New Construction Program
RIM Test and Participants Test Results

For

Clothes Drying Appliances

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Cost Effective Results

Appliance Type
Clothes Drying

		Benefits				Costs							
Year	Year Number	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	
1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2005	1	$164	$100	$36	**$300**	$379	($454)	$300	$36	$52	$32	$22	**$367**
2006	2	$167	0	$37	**$203**	0	0	0	$37	$53	$32	$22	**$144**
2007	3	$169	0	$38	**$207**	0	0	0	$38	$54	$32	$22	**$147**
2008	4	$171	0	$39	**$210**	0	0	0	$39	$55	$32	$22	**$149**
2009	5	$173	0	$40	**$213**	0	0	0	$40	$57	$32	$22	**$151**
2010	6	$175	0	$41	**$216**	0	0	0	$41	$58	$32	$22	**$153**
2011	7	$177	0	$42	**$219**	0	0	0	$42	$59	$32	$22	**$156**
2012	8	$180	0	$43	**$222**	0	0	0	$43	$61	$32	$22	**$158**
2013	9	$182	0	$44	**$225**	0	0	0	$44	$62	$32	$22	**$161**
2014	10	$184	0	$45	**$229**	0	0	0	$45	$64	$32	$22	**$163**
2015	11	$186	0	$46	**$232**	0	0	0	$46	$65	$32	$22	**$166**
2016	12	$188	0	$47	**$235**	0	0	0	$47	$67	$32	$22	**$168**
2017	13	$191	100	$48	**$338**	516	(618)	204	$48	$69	$32	$22	**$273**
2018	14	$193	0	$49	**$242**	0	0	0	$49	$70	$32	$22	**$174**
2019	15	$195	0	$50	**$245**	0	0	0	$50	$72	$32	$22	**$177**
2020	16	$197	0	$51	**$248**	0	0	0	$51	$74	$32	$22	**$180**
2021	17	$199	0	$53	**$252**	0	0	0	$53	$75	$32	$22	**$183**
2022	18	$201	0	$54	**$255**	0	0	0	$54	$77	$32	$22	**$186**
2023	19	$204	0	$55	**$259**	0	0	0	$55	$79	$32	$22	**$189**
2024	20	$206	0	$56	**$262**	0	0	0	$56	$81	$32	$22	**$192**

Present Value of Benefits	**$2,315**

Present Value of Costs	**$1,808**

Benefit/Cost Ratio	**1.28**

Chesapeake Utilites Corporation Florida Division - Energy Conservation Filing 2006
Residential New Construction Program
Participants Test - Data

Appliance Type
Clothes Drying

Escalation Rates			
O&M Expense	2.4%	PGA Fuel Rate	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	1,465	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	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.9382	50	10.00%	$52
2007	$0.9607	50	10.00%	$53
2008	$0.9838	50	10.00%	$54
2009	$1.0074	50	10.00%	$55
2010	$1.0316	50	10.00%	$57
2011	$1.0563	50	10.00%	$58
2012	$1.0817	50	10.00%	$59
2013	$1.1076	50	10.00%	$61
2014	$1.1342	50	10.00%	$62
2015	$1.1614	50	10.00%	$64
2016	$1.1893	50	10.00%	$65
2017	$1.2179	50	10.00%	$67
2018	$1.2471	50	10.00%	$69
2019	$1.2770	50	10.00%	$70
2020	$1.3077	50	10.00%	$72
2021	$1.3390	50	10.00%	$74
2022	$1.3712	50	10.00%	$75
2023	$1.4041	50	10.00%	$77
2024	$1.4378	50	10.00%	$79
2025	$1.4723	50	10.00%	$81

Gas Energy Charge - Table 3

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.5880	50	10.00%	$32
2007	$0.5880	50	10.00%	$32
2008	$0.5880	50	10.00%	$32
2009	$0.5880	50	10.00%	$32
2010	$0.5880	50	10.00%	$32
2011	$0.5880	50	10.00%	$32
2012	$0.5880	50	10.00%	$32
2013	$0.5880	50	10.00%	$32
2014	$0.5880	50	10.00%	$32
2015	$0.5880	50	10.00%	$32
2016	$0.5880	50	10.00%	$32
2017	$0.5880	50	10.00%	$32
2018	$0.5880	50	10.00%	$32
2019	$0.5880	50	10.00%	$32
2020	$0.5880	50	10.00%	$32
2021	$0.5880	50	10.00%	$32
2022	$0.5880	50	10.00%	$32
2023	$0.5880	50	10.00%	$32
2024	$0.5880	50	10.00%	$32
2025	$0.5880	50	10.00%	$32

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	$15.00	$180.00	50	443	11.29%	10.00%	$22
2007	$15.00	$180.00	50	443	11.29%	10.00%	$22
2008	$15.00	$180.00	50	443	11.29%	10.00%	$22
2009	$15.00	$180.00	50	443	11.29%	10.00%	$22
2010	$15.00	$180.00	50	443	11.29%	10.00%	$22
2011	$15.00	$180.00	50	443	11.29%	10.00%	$22
2012	$15.00	$180.00	50	443	11.29%	10.00%	$22
2013	$15.00	$180.00	50	443	11.29%	10.00%	$22
2014	$15.00	$180.00	50	443	11.29%	10.00%	$22
2015	$15.00	$180.00	50	443	11.29%	10.00%	$22
2016	$15.00	$180.00	50	443	11.29%	10.00%	$22
2017	$15.00	$180.00	50	443	11.29%	10.00%	$22
2018	$15.00	$180.00	50	443	11.29%	10.00%	$22
2019	$15.00	$180.00	50	443	11.29%	10.00%	$22
2020	$15.00	$180.00	50	443	11.29%	10.00%	$22
2021	$15.00	$180.00	50	443	11.29%	10.00%	$22
2022	$15.00	$180.00	50	443	11.29%	10.00%	$22
2023	$15.00	$180.00	50	443	11.29%	10.00%	$22
2024	$15.00	$180.00	50	443	11.29%	10.00%	$22
2025	$15.00	$180.00	50	443	11.29%	10.00%	$22

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

Appliance Type

Clothes Drying

	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	$29	$47	$20	$97	$47	$8	$9	$102.88	$167
2007	$29	$48	$20	$98	$48	$8	$9	$2.88	$68
2008	$29	$49	$20	$99	$49	$8	$10	$2.88	$69
2009	$29	$50	$20	$100	$50	$7	$10	$2.88	$70
2010	$29	$52	$20	$101	$52	$7	$10	$2.88	$72
2011	$29	$53	$20	$103	$53	$7	$10	$2.88	$73
2012	$29	$54	$20	$104	$54	$7	$10	$2.88	$74
2013	$29	$55	$20	$105	$55	$6	$11	$2.88	$75
2014	$29	$57	$20	$106	$57	$6	$11	$2.88	$77
2015	$29	$58	$20	$108	$58	$6	$11	$2.88	$78
2016	$29	$59	$20	$109	$59	$6	$12	$2.88	$80
2017	$29	$61	$20	$111	$61	$5	$12	$2.88	$81
2018	$29	$62	$20	$112	$62	$5	$12	$102.88	$183
2019	$29	$64	$20	$114	$64	$5	$12	$2.88	$84
2020	$29	$65	$20	$115	$65	$5	$13	$2.88	$86
2021	$29	$67	$20	$117	$67	$5	$13	$2.88	$88
2022	$29	$69	$20	$118	$69	$5	$13	$2.88	$89
2023	$29	$70	$20	$120	$70	$4	$14	$2.88	$91
2024	$29	$72	$20	$122	$72	$4	$14	$2.88	$93
2025	$29	$74	$20	$123	$74	$4	$14	$2.88	$95

Present Value of Benefits	**$1,037**	**Present Value of Costs**	**$876**

Benefit/Cost Ratio	**1.18**

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

Appliance Type
Clothes Drying

Fuel Rate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	50	$0.5880	$29
2007	50	$0.5880	$29
2008	50	$0.5880	$29
2009	50	$0.5880	$29
2010	50	$0.5880	$29
2011	50	$0.5880	$29
2012	50	$0.5880	$29
2013	50	$0.5880	$29
2014	50	$0.5880	$29
2015	50	$0.5880	$29
2016	50	$0.5880	$29
2017	50	$0.5880	$29
2018	50	$0.5880	$29
2019	50	$0.5880	$29
2020	50	$0.5880	$29
2021	50	$0.5880	$29
2022	50	$0.5880	$29
2023	50	$0.5880	$29
2024	50	$0.5880	$29
2025	50	$0.5880	$29

Table 1a

Revenue - Cost of Gas

1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	50	$0.9382	$47
2007	50	$0.9607	$48
2008	50	$0.9838	$49
2009	50	$1.0074	$50
2010	50	$1.0316	$52
2011	50	$1.0563	$53
2012	50	$1.0817	$54
2013	50	$1.1076	$55
2014	50	$1.1342	$57
2015	50	$1.1614	$58
2016	50	$1.1893	$59
2017	50	$1.2179	$61
2018	50	$1.2471	$62
2019	50	$1.2770	$64
2020	50	$1.3077	$65
2021	50	$1.3390	$67
2022	50	$1.3712	$69
2023	50	$1.4041	$70
2024	50	$1.4378	$72
2025	50	$1.4723	$74

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	11.29%	$20
2007	$15.00	$180.00	11.29%	$20
2008	$15.00	$180.00	11.29%	$20
2009	$15.00	$180.00	11.29%	$20
2010	$15.00	$180.00	11.29%	$20
2011	$15.00	$180.00	11.29%	$20
2012	$15.00	$180.00	11.29%	$20
2013	$15.00	$180.00	11.29%	$20
2014	$15.00	$180.00	11.29%	$20
2015	$15.00	$180.00	11.29%	$20
2016	$15.00	$180.00	11.29%	$20
2017	$15.00	$180.00	11.29%	$20
2018	$15.00	$180.00	11.29%	$20
2019	$15.00	$180.00	11.29%	$20
2020	$15.00	$180.00	11.29%	$20
2021	$15.00	$180.00	11.29%	$20
2022	$15.00	$180.00	11.29%	$20
2023	$15.00	$180.00	11.29%	$20
2024	$15.00	$180.00	11.29%	$20
2025	$15.00	$180.00	11.29%	$20

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$140	$470	$180	$840	8.60%	11.29%	$8
2007	$48	$135	$453	$173	$809	8.60%	11.29%	$8
2008	$46	$131	$437	$166	$780	8.60%	11.29%	$8
2009	$44	$127	$421	$160	$752	8.60%	11.29%	$7
2010	$43	$123	$406	$154	$726	8.60%	11.29%	$7
2011	$42	$119	$391	$148	$700	8.60%	11.29%	$7
2012	$41	$115	$377	$142	$675	8.60%	11.29%	$7
2013	$40	$111	$363	$138	$650	8.60%	11.29%	$6
2014	$39	$107	$350	$131	$627	8.60%	11.29%	$6
2015	$38	$103	$337	$126	$604	8.60%	11.29%	$6
2016	$37	$100	$325	$121	$583	8.60%	11.29%	$6
2017	$36	$97	$313	$116	$562	8.60%	11.29%	$5
2018	$35	$94	$302	$111	$542	8.60%	11.29%	$5
2019	$34	$91	$291	$107	$523	8.60%	11.29%	$5
2020	$33	$88	$281	$103	$505	8.60%	11.29%	$5
2021	$32	$85	$271	$99	$487	8.60%	11.29%	$5
2022	$31	$82	$261	$95	$469	8.60%	11.29%	$5
2023	$30	$79	$252	$91	$452	8.60%	11.29%	$4
2024	$29	$76	$243	$87	$435	8.60%	11.29%	$4
2025	$28	$73	$234	$84	$419	8.60%	11.29%	$4

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	$4.01	$48	11.29%	$5.42	$32.81	11.29%	$4	$9
2007	$4.11	$49	11.29%	$5.53	$33.60	11.29%	$4	$9
2008	$4.20	$50	11.29%	$5.64	$34.40	11.29%	$4	$10
2009	$4.31	$52	11.29%	$5.87	$35.23	11.29%	$4	$10
2010	$4.41	$53	11.29%	$5.98	$36.07	11.29%	$4	$10
2011	$4.51	$54	11.29%	$6.09	$36.94	11.29%	$4	$10
2012	$4.62	$55	11.29%	$6.21	$37.83	11.29%	$4	$10
2013	$4.73	$57	11.29%	$6.43	$38.74	11.29%	$4	$11
2014	$4.85	$58	11.29%	$6.55	$39.66	11.29%	$4	$11
2015	$4.98	$60	11.29%	$6.77	$40.62	11.29%	$5	$11
2016	$5.08	$61	11.29%	$6.88	$41.59	11.29%	$5	$12
2017	$5.21	$62	11.29%	$7.00	$42.59	11.29%	$5	$12
2018	$5.33	$64	11.29%	$7.22	$43.61	11.29%	$5	$12
2019	$5.46	$65	11.29%	$7.34	$44.86	11.29%	$5	$12
2020	$5.59	$67	11.29%	$7.56	$45.73	11.29%	$5	$13
2021	$5.72	$69	11.29%	$7.79	$46.83	11.29%	$5	$13
2022	$5.86	$70	11.29%	$7.90	$47.95	11.29%	$5	$13
2023	$6.00	$72	11.29%	$8.13	$49.10	11.29%	$6	$14
2024	$6.15	$74	11.29%	$8.35	$50.28	11.29%	$6	$14
2025	$6.29	$76	11.29%	$8.58	$51.49	11.29%	$6	$14

Table 5

Gas Costs

1	2	3	2*3
Year	Therms	Per Therm Supply Cost	Gas Supply Cost
2006	50	0.9382	$47
2007	50	$0.9607	$48
2008	50	$0.9838	$49
2009	50	$1.0074	$50
2010	50	$1.0316	$52
2011	50	$1.0563	$53
2012	50	$1.0817	$54
2013	50	$1.1076	$55
2014	50	$1.1342	$57
2015	50	$1.1614	$58
2016	50	$1.1893	$59
2017	50	$1.2179	$61
2018	50	$1.2471	$62
2019	50	$1.2770	$64
2020	50	$1.3077	$65
2021	50	$1.3390	$67
2022	50	$1.3712	$69
2023	50	$1.4041	$70
2024	50	$1.4378	$72
2025	50	$1.4723	$74

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

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

	Proposed Allowance	Participants Test	RIM Test
Gas Storage Tank Water Heating	$525	1.40	1.11
Gas Tankless Water Heating	$525	1.24	1.11
Gas Heating	$625	1.03	1.09
Gas Clothes Drying	$100	1.25	1.20
Gas Cooking	$100	1.19	1.18

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Replacement Program
RIM Test and Participants Test Results

For

Storage Tank Water Heating

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

Appliance Type
Storage Tank Water Heating

		Benefits				Costs							
Year	Year Number	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	
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**	$259	($314)	$550	$36	$175	$110	$76	**$892**
2007	2	$543	0	$37	**$580**	0	0	0	$37	$180	$110	$76	**$402**
2008	3	$550	0	$38	**$588**	0	0	0	$38	$184	$110	$76	**$408**
2009	4	$557	0	$39	**$596**	0	0	0	$39	$188	$110	$76	**$413**
2010	5	$564	0	$40	**$604**	0	0	0	$40	$193	$110	$76	**$418**
2011	6	$571	0	$41	**$612**	0	0	0	$41	$198	$110	$76	**$424**
2012	7	$578	0	$42	**$620**	0	0	0	$42	$202	$110	$76	**$430**
2013	8	$585	0	$43	**$628**	0	0	0	$43	$207	$110	$76	**$436**
2014	9	$592	0	$44	**$636**	0	0	0	$44	$212	$110	$76	**$442**
2015	10	$599	0	$45	**$644**	0	0	0	$45	$217	$110	$76	**$448**
2016	11	$607	0	$46	**$652**	0	0	0	$46	$222	$110	$76	**$454**
2017	12	$614	0	$47	**$660**	0	0	0	$47	$228	$110	$76	**$460**
2018	13	$621	0	$48	**$669**	0	0	0	$48	$233	$110	$76	**$467**
2019	14	$628	350	$49	**$1,027**	361	(438)	348	$49	$239	$110	$76	**$746**
2020	15	$635	0	$50	**$685**	0	0	0	$50	$245	$110	$76	**$481**
2021	16	$642	0	$51	**$693**	0	0	0	$51	$250	$110	$76	**$488**
2022	17	$649	0	$53	**$702**	0	0	0	$53	$256	$110	$76	**$495**
2023	18	$656	0	$54	**$710**	0	0	0	$54	$263	$110	$76	**$502**
2024	19	$663	0	$55	**$718**	0	0	0	$55	$269	$110	$76	**$510**
2025	20	$670	0	$56	**$727**	0	0	0	$56	$275	$110	$76	**$518**

Present Value of Benefits	$6,775

Present Value of Costs	$4,850

Benefit/Cost Ratio	1.40

Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data

Appliance Type
Storage Tank Water Heating

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	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	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.9382	170	10%	$175
2007	$0.9607	170	10%	$180
2008	$0.9838	170	10%	$184
2009	$1.0074	170	10%	$188
2010	$1.0316	170	10%	$193
2011	$1.0563	170	10%	$198
2012	$1.0817	170	10%	$202
2013	$1.1076	170	10%	$207
2014	$1.1342	170	10%	$212
2015	$1.1614	170	10%	$217
2016	$1.1893	170	10%	$222
2017	$1.2179	170	10%	$228
2018	$1.2471	170	10%	$233
2019	$1.2770	170	10%	$239
2020	$1.3077	170	10%	$245
2021	$1.3390	170	10%	$250
2022	$1.3712	170	10%	$256
2023	$1.4041	170	10%	$263
2024	$1.4378	170	10%	$269
2025	$1.4723	170	10%	$275

Gas Energy Charge - Table 3

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.5880	170	10%	$110
2007	$0.5880	170	10%	$110
2008	$0.5880	170	10%	$110
2009	$0.5880	170	10%	$110
2010	$0.5880	170	10%	$110
2011	$0.5880	170	10%	$110
2012	$0.5880	170	10%	$110
2013	$0.5880	170	10%	$110
2014	$0.5880	170	10%	$110
2015	$0.5880	170	10%	$110
2016	$0.5880	170	10%	$110
2017	$0.5880	170	10%	$110
2018	$0.5880	170	10%	$110
2019	$0.5880	170	10%	$110
2020	$0.5880	170	10%	$110
2021	$0.5880	170	10%	$110
2022	$0.5880	170	10%	$110
2023	$0.5880	170	10%	$110
2024	$0.5880	170	10%	$110
2025	$0.5880	170	10%	$110

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	$15.00	$180.00	170	443	38.37%	10%	$76
2007	$15.00	$180.00	170	443	38.37%	10%	$76
2008	$15.00	$180.00	170	443	38.37%	10%	$76
2009	$15.00	$180.00	170	443	38.37%	10%	$76
2010	$15.00	$180.00	170	443	38.37%	10%	$76
2011	$15.00	$180.00	170	443	38.37%	10%	$76
2012	$15.00	$180.00	170	443	38.37%	10%	$76
2013	$15.00	$180.00	170	443	38.37%	10%	$76
2014	$15.00	$180.00	170	443	38.37%	10%	$76
2015	$15.00	$180.00	170	443	38.37%	10%	$76
2016	$15.00	$180.00	170	443	38.37%	10%	$76
2017	$15.00	$180.00	170	443	38.37%	10%	$76
2018	$15.00	$180.00	170	443	38.37%	10%	$76
2019	$15.00	$180.00	170	443	38.37%	10%	$76
2020	$15.00	$180.00	170	443	38.37%	10%	$76
2021	$15.00	$180.00	170	443	38.37%	10%	$76
2022	$15.00	$180.00	170	443	38.37%	10%	$76
2023	$15.00	$180.00	170	443	38.37%	10%	$76
2024	$15.00	$180.00	170	443	38.37%	10%	$76
2025	$15.00	$180.00	170	443	38.37%	10%	$76

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

Appliance Type
Storage Tank 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	6 thru 9
2006	$100	$159	$69	$329	$159	$32	$31	$527.22	$750
2007	$100	$163	$69	$332	$163	$31	$32	$2.22	$228
2008	$100	$167	$69	$336	$167	$30	$32	$2.22	$232
2009	$100	$171	$69	$340	$171	$29	$33	$2.22	$236
2010	$100	$175	$69	$344	$175	$28	$34	$2.22	$240
2011	$100	$180	$69	$349	$180	$27	$35	$2.22	$244
2012	$100	$184	$69	$353	$184	$26	$36	$2.22	$248
2013	$100	$188	$69	$357	$188	$25	$37	$2.22	$252
2014	$100	$193	$69	$362	$193	$24	$37	$2.22	$257
2015	$100	$197	$69	$366	$197	$23	$39	$2.22	$262
2016	$100	$202	$69	$371	$202	$23	$39	$2.22	$266
2017	$100	$207	$69	$376	$207	$22	$40	$2.22	$271
2018	$100	$212	$69	$381	$212	$21	$41	$2.22	$276
2019	$100	$217	$69	$386	$217	$20	$42	$527.22	$807
2020	$100	$222	$69	$391	$222	$20	$43	$2.22	$287
2021	$100	$228	$69	$397	$228	$19	$44	$2.22	$293
2022	$100	$233	$69	$402	$233	$18	$45	$2.22	$299
2023	$100	$239	$69	$408	$239	$18	$46	$2.22	$305
2024	$100	$244	$69	$413	$244	$17	$48	$2.22	$311
2025	$100	$250	$69	$419	$250	$16	$49	$2.22	$318

Present Value of Benefits	**$3,526**
Present Value of Costs	**$3,167**
Benefit/Cost Ratio	**1.11**

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

Appliance Type
Storage Tank Water Heating

Fuel Rate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	170	$0.5880	$100
2007	170	$0.5880	$100
2008	170	$0.5880	$100
2009	170	$0.5880	$100
2010	170	$0.5880	$100
2011	170	$0.5880	$100
2012	170	$0.5880	$100
2013	170	$0.5880	$100
2014	170	$0.5880	$100
2015	170	$0.5880	$100
2016	170	$0.5880	$100
2017	170	$0.5880	$100
2018	170	$0.5880	$100
2019	170	$0.5880	$100
2020	170	$0.5880	$100
2021	170	$0.5880	$100
2022	170	$0.5880	$100
2023	170	$0.5880	$100
2024	170	$0.5880	$100
2025	170	$0.5880	$100

Table 1a

Revenue - Cost of Gas

1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	170	$0.9382	$159
2007	170	$0.9607	$163
2008	170	$0.9838	$167
2009	170	$1.0074	$171
2010	170	$1.0316	$175
2011	170	$1.0563	$180
2012	170	$1.0817	$184
2013	170	$1.1076	$188
2014	170	$1.1342	$193
2015	170	$1.1614	$197
2016	170	$1.1893	$202
2017	170	$1.2179	$207
2018	170	$1.2471	$212
2019	170	$1.2770	$217
2020	170	$1.3077	$222
2021	170	$1.3390	$228
2022	170	$1.3712	$233
2023	170	$1.4041	$239
2024	170	$1.4378	$244
2025	170	$1.4723	$250

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	38.37%	$69
2007	$15.00	$180.00	38.37%	$69
2008	$15.00	$180.00	38.37%	$69
2009	$15.00	$180.00	38.37%	$69
2010	$15.00	$180.00	38.37%	$69
2011	$15.00	$180.00	38.37%	$69
2012	$15.00	$180.00	38.37%	$69
2013	$15.00	$180.00	38.37%	$69
2014	$15.00	$180.00	38.37%	$69
2015	$15.00	$180.00	38.37%	$69
2016	$15.00	$180.00	38.37%	$69
2017	$15.00	$180.00	38.37%	$69
2018	$15.00	$180.00	38.37%	$69
2019	$15.00	$180.00	38.37%	$69
2020	$15.00	$180.00	38.37%	$69
2021	$15.00	$180.00	38.37%	$69
2022	$15.00	$180.00	38.37%	$69
2023	$15.00	$180.00	38.37%	$69
2024	$15.00	$180.00	38.37%	$69
2025	$15.00	$180.00	38.37%	$69

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$280	$470	$180	$980	8.60%	38.37%	$32
2007	$48	$271	$453	$173	$945	8.60%	38.37%	$31
2008	$46	$262	$437	$166	$911	8.60%	38.37%	$30
2009	$44	$253	$421	$160	$878	8.60%	38.37%	$29
2010	$43	$245	$406	$154	$848	8.60%	38.37%	$28
2011	$42	$237	$391	$148	$818	8.60%	38.37%	$27
2012	$41	$229	$377	$142	$789	8.60%	38.37%	$26
2013	$40	$221	$363	$136	$760	8.60%	38.37%	$25
2014	$39	$214	$350	$131	$734	8.60%	38.37%	$24
2015	$38	$207	$337	$126	$708	8.60%	38.37%	$23
2016	$37	$200	$325	$121	$683	8.60%	38.37%	$23
2017	$36	$193	$313	$116	$658	8.60%	38.37%	$22
2018	$35	$187	$302	$111	$635	8.60%	38.37%	$21
2019	$34	$181	$291	$107	$613	8.60%	38.37%	$20
2020	$33	$175	$281	$103	$592	8.60%	38.37%	$20
2021	$32	$169	$271	$99	$571	8.60%	38.37%	$19
2022	$31	$163	$261	$95	$550	8.60%	38.37%	$18
2023	$30	$158	$252	$91	$531	8.60%	38.37%	$18
2024	$29	$153	$243	$87	$512	8.60%	38.37%	$17
2025	$28	$148	$234	$84	$494	8.60%	38.37%	$16

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	$4.01	$48	38.37%	$18.42	$32.81	38.37%	$13	$31
2007	$4.11	$49	38.37%	$18.80	$33.60	38.37%	$13	$32
2008	$4.20	$50	38.37%	$19.19	$34.40	38.37%	$13	$32
2009	$4.31	$52	38.37%	$19.95	$35.23	38.37%	$14	$33
2010	$4.41	$53	38.37%	$20.34	$36.07	38.37%	$14	$34
2011	$4.51	$54	38.37%	$20.72	$36.94	38.37%	$14	$35
2012	$4.62	$55	38.37%	$21.11	$37.83	38.37%	$15	$36
2013	$4.73	$57	38.37%	$21.87	$38.74	38.37%	$15	$37
2014	$4.85	$58	38.37%	$22.26	$39.66	38.37%	$15	$37
2015	$4.96	$60	38.37%	$23.02	$40.62	38.37%	$16	$39
2016	$5.08	$61	38.37%	$23.41	$41.59	38.37%	$16	$39
2017	$5.21	$62	38.37%	$23.79	$42.59	38.37%	$16	$40
2018	$5.33	$64	38.37%	$24.56	$43.61	38.37%	$17	$41
2019	$5.46	$65	38.37%	$24.94	$44.66	38.37%	$17	$42
2020	$5.59	$67	38.37%	$25.71	$45.73	38.37%	$18	$43
2021	$5.72	$69	38.37%	$26.48	$46.83	38.37%	$18	$44
2022	$5.86	$70	38.37%	$26.88	$47.95	38.37%	$18	$45
2023	$6.00	$72	38.37%	$27.63	$49.10	38.37%	$19	$46
2024	$6.15	$74	38.37%	$28.40	$50.28	38.37%	$19	$48
2025	$6.29	$76	38.37%	$29.16	$51.49	38.37%	$20	$49

Table 5

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2006	170	0.9382	$159
2007	170	$0.9607	$163
2008	170	$0.9838	$167
2009	170	$1.0074	$171
2010	170	$1.0316	$175
2011	170	$1.0563	$180
2012	170	$1.0817	$184
2013	170	$1.1076	$188
2014	170	$1.1342	$193
2015	170	$1.1614	$197
2016	170	$1.1893	$202
2017	170	$1.2179	$207
2018	170	$1.2471	$212
2019	170	$1.2770	$217
2020	170	$1.3077	$222
2021	170	$1.3390	$228
2022	170	$1.3712	$233
2023	170	$1.4041	$239
2024	170	$1.4378	$244
2025	170	$1.4723	$250

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Replacement Program
RIM Test and Participants Test Results

For

Tankless Water Heating

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

Appliance Type
Tankless Water Heating

		Benefits				Costs							
Year	Year Number	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	
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	$155	$97	$70	**$1,494**
2007	2	$543	0	$37	**$580**	0	0	0	$37	$159	$99	$70	**$365**
2008	3	$550	0	$38	**$588**	0	0	0	$38	$162	$102	$70	**$372**
2009	4	$557	0	$39	**$596**	0	0	0	$39	$166	$104	$70	**$379**
2010	5	$564	0	$40	**$604**	0	0	0	$40	$170	$107	$70	**$387**
2011	6	$571	0	$41	**$612**	0	0	0	$41	$174	$109	$70	**$394**
2012	7	$578	0	$42	**$620**	0	0	0	$42	$178	$112	$70	**$402**
2013	8	$585	0	$43	**$628**	0	0	0	$43	$183	$115	$70	**$410**
2014	9	$592	0	$44	**$636**	0	0	0	$44	$187	$117	$70	**$418**
2015	10	$599	0	$45	**$644**	0	0	0	$45	$192	$120	$70	**$427**
2016	11	$607	0	$46	**$652**	0	0	0	$46	$196	$123	$70	**$435**
2017	12	$614	0	$47	**$660**	0	0	0	$47	$201	$126	$70	**$444**
2018	13	$621	0	$48	**$669**	0	0	0	$48	$206	$129	$70	**$453**
2019	14	$628	0	$49	**$677**	0	0	0	$49	$211	$132	$70	**$462**
2020	15	$635	0	$50	**$685**	0	0	0	$50	$216	$135	$70	**$471**
2021	16	$642	0	$51	**$693**	0	0	0	$51	$221	$138	$70	**$481**
2022	17	$649	0	$53	**$702**	0	0	0	$53	$226	$142	$70	**$491**
2023	18	$656	0	$54	**$710**	0	0	0	$54	$232	$145	$70	**$501**
2024	19	$663	0	$55	**$718**	0	0	0	$55	$237	$149	$70	**$511**
2025	20	$670	450	$56	**$1,177**	1,527	(505)	562	$56	$243	$152	$70	**$2,106**

Present Value of Benefits **$6,753**

Present Value of Costs **$5,449**

Benefit/Cost Ratio	1.24

Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data

Appliance Type
Tankless Water Heating

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	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	$0.1156	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	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	$0.5880	150	10.00%	$97
2007	$0.6021	150	10.00%	$99
2008	$0.6166	150	10.00%	$102
2009	$0.6314	150	10.00%	$104
2010	$0.6465	150	10.00%	$107
2011	$0.6620	150	10.00%	$109
2012	$0.6779	150	10.00%	$112
2013	$0.6942	150	10.00%	$115
2014	$0.7109	150	10.00%	$117
2015	$0.7279	150	10.00%	$120
2016	$0.7454	150	10.00%	$123
2017	$0.7633	150	10.00%	$126
2018	$0.7816	150	10.00%	$129
2019	$0.8004	150	10.00%	$132
2020	$0.8196	150	10.00%	$135
2021	$0.8392	150	10.00%	$138
2022	$0.8594	150	10.00%	$142
2023	$0.8800	150	10.00%	$145
2024	$0.9011	150	10.00%	$149
2025	$0.9227	150	10.00%	$152

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	$15.00	$180.00	150	423	35.46%	10.00%	$70
2007	$15.00	$180.00	150	423	35.46%	10.00%	$70
2008	$15.00	$180.00	150	423	35.46%	10.00%	$70
2009	$15.00	$180.00	150	423	35.46%	10.00%	$70
2010	$15.00	$180.00	150	423	35.46%	10.00%	$70
2011	$15.00	$180.00	150	423	35.46%	10.00%	$70
2012	$15.00	$180.00	150	423	35.46%	10.00%	$70
2013	$15.00	$180.00	150	423	35.46%	10.00%	$70
2014	$15.00	$180.00	150	423	35.46%	10.00%	$70
2015	$15.00	$180.00	150	423	35.46%	10.00%	$70
2016	$15.00	$180.00	150	423	35.46%	10.00%	$70
2017	$15.00	$180.00	150	423	35.46%	10.00%	$70
2018	$15.00	$180.00	150	423	35.46%	10.00%	$70
2019	$15.00	$180.00	150	423	35.46%	10.00%	$70
2020	$15.00	$180.00	150	423	35.46%	10.00%	$70
2021	$15.00	$180.00	150	423	35.46%	10.00%	$70
2022	$15.00	$180.00	150	423	35.46%	10.00%	$70
2023	$15.00	$180.00	150	423	35.46%	10.00%	$70
2024	$15.00	$180.00	150	423	35.46%	10.00%	$70
2025	$15.00	$180.00	150	423	35.46%	10.00%	$70

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

Appliance Type

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	6 thru 9
2002	$88	$141	$64	$293	$141	$30	$29	$527.22	$726
2003	$88	$144	$64	$296	$144	$29	$29	$2.22	$204
2004	$88	$148	$64	$300	$148	$28	$30	$2.22	$207
2005	$88	$151	$64	$303	$151	$27	$31	$2.22	$211
2006	$88	$155	$64	$307	$155	$26	$32	$2.22	$214
2007	$88	$158	$64	$310	$158	$25	$32	$2.22	$218
2008	$88	$162	$64	$314	$162	$24	$33	$2.22	$221
2009	$88	$166	$64	$318	$166	$23	$34	$2.22	$225
2010	$88	$170	$64	$322	$170	$22	$35	$2.22	$229
2011	$88	$174	$64	$326	$174	$22	$36	$2.22	$234
2012	$88	$178	$64	$330	$178	$21	$36	$2.22	$238
2013	$88	$183	$64	$335	$183	$20	$37	$2.22	$242
2014	$88	$187	$64	$339	$187	$19	$38	$2.22	$247
2015	$88	$192	$64	$344	$192	$19	$39	$2.22	$251
2016	$88	$196	$64	$348	$196	$18	$40	$2.22	$256
2017	$88	$201	$64	$353	$201	$17	$41	$2.22	$262
2018	$88	$206	$64	$358	$206	$17	$42	$2.22	$266
2019	$88	$211	$64	$363	$211	$16	$43	$2.22	$272
2020	$88	$216	$64	$368	$216	$16	$44	$2.22	$278
2021	$88	$221	$64	$373	$221	$15	$45	$527.22	$808

Present Value of Benefits	**$3,139**	**Present Value of Costs**	**$2,834**

Benefit/Cost Ratio	**1.11**

Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006
Residential Appliance Replacement 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/Inflation 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	$0.5880	$88
2007	150	$0.5880	$88
2008	150	$0.5880	$88
2009	150	$0.5880	$88
2010	150	$0.5880	$88
2011	150	$0.5880	$88
2012	150	$0.5880	$88
2013	150	$0.5880	$88
2014	150	$0.5880	$88
2015	150	$0.5880	$88
2016	150	$0.5880	$88
2017	150	$0.5880	$88
2018	150	$0.5880	$88
2019	150	$0.5880	$88
2020	150	$0.5880	$88
2021	150	$0.5880	$88
2022	150	$0.5880	$88
2023	150	$0.5880	$88
2024	150	$0.5880	$88
2025	150	$0.5880	$88

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	$15.00	$180.00	35.46%	$64
2007	$15.00	$180.00	35.46%	$64
2008	$15.00	$180.00	35.46%	$64
2009	$15.00	$180.00	35.46%	$64
2010	$15.00	$180.00	35.46%	$64
2011	$15.00	$180.00	35.46%	$64
2012	$15.00	$180.00	35.46%	$64
2013	$15.00	$180.00	35.46%	$64
2014	$15.00	$180.00	35.46%	$64
2015	$15.00	$180.00	35.46%	$64
2016	$15.00	$180.00	35.46%	$64
2017	$15.00	$180.00	35.46%	$64
2018	$15.00	$180.00	35.46%	$64
2019	$15.00	$180.00	35.46%	$64
2020	$15.00	$180.00	35.46%	$64
2021	$15.00	$180.00	35.46%	$64
2022	$15.00	$180.00	35.46%	$64
2023	$15.00	$180.00	35.46%	$64
2024	$15.00	$180.00	35.46%	$64
2025	$15.00	$180.00	35.46%	$64

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$280	$470	$180	$980	8.60%	35.46%	$30
2007	$48	$271	$453	$173	$945	8.60%	35.46%	$29
2008	$46	$262	$437	$168	$911	8.60%	35.46%	$28
2009	$44	$253	$421	$160	$878	8.60%	35.46%	$27
2010	$43	$245	$406	$154	$848	8.60%	35.46%	$26
2011	$42	$237	$391	$148	$818	8.60%	35.46%	$25
2012	$41	$229	$377	$142	$789	8.60%	35.46%	$24
2013	$40	$221	$363	$136	$760	8.60%	35.46%	$23
2014	$39	$214	$350	$131	$734	8.60%	35.46%	$22
2015	$38	$207	$337	$126	$708	8.60%	35.46%	$22
2016	$37	$200	$325	$121	$683	8.60%	35.46%	$21
2017	$36	$193	$313	$116	$658	8.60%	35.46%	$20
2018	$35	$187	$302	$111	$635	8.60%	35.46%	$19
2019	$34	$181	$291	$107	$613	8.60%	35.46%	$19
2020	$33	$175	$281	$103	$592	8.60%	35.46%	$18
2021	$32	$169	$271	$99	$571	8.60%	35.46%	$17
2022	$31	$163	$261	$95	$550	8.60%	35.46%	$17
2023	$30	$158	$252	$91	$531	8.60%	35.46%	$16
2024	$29	$153	$243	$87	$512	8.60%	35.46%	$16
2025	$28	$148	$234	$84	$494	8.60%	35.46%	$15

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	$4.01	$48	35.46%	$17.02	$32.81	35.46%	$12	$29
2007	$4.11	$49	35.46%	$17.38	$33.60	35.46%	$12	$29
2008	$4.20	$50	35.46%	$17.73	$34.40	35.46%	$12	$30
2009	$4.31	$52	35.46%	$18.44	$35.23	35.46%	$12	$31
2010	$4.41	$53	35.46%	$18.79	$36.07	35.46%	$13	$32
2011	$4.51	$54	35.46%	$19.15	$36.94	35.46%	$13	$32
2012	$4.62	$55	35.46%	$19.50	$37.83	35.46%	$13	$33
2013	$4.73	$57	35.46%	$20.21	$38.74	35.46%	$14	$34
2014	$4.85	$58	35.46%	$20.57	$39.66	35.46%	$14	$35
2015	$4.96	$60	35.46%	$21.28	$40.62	35.46%	$14	$36
2016	$5.08	$61	35.46%	$21.63	$41.59	35.46%	$15	$36
2017	$5.21	$62	35.46%	$21.99	$42.59	35.46%	$15	$37
2018	$5.33	$64	35.46%	$22.70	$43.61	35.46%	$15	$38
2019	$5.46	$65	35.46%	$23.05	$44.66	35.46%	$16	$39
2020	$5.59	$67	35.46%	$23.78	$45.73	35.46%	$16	$40
2021	$5.72	$69	35.46%	$24.47	$46.83	35.46%	$17	$41
2022	$5.86	$70	35.46%	$24.82	$47.95	35.46%	$17	$42
2023	$6.00	$72	35.46%	$25.53	$49.10	35.46%	$17	$43
2024	$6.15	$74	35.46%	$26.24	$50.28	35.46%	$18	$44
2025	$6.29	$76	35.46%	$26.95	$51.49	35.46%	$18	$45

Table 5

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
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	$1.0583	$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

Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data

Appliance Type
Heating System

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	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	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.9382	178	10.00%	$184
2007	$0.9607	178	10.00%	$188
2008	$0.9838	178	10.00%	$193
2009	$1.0074	178	10.00%	$197
2010	$1.0316	178	10.00%	$202
2011	$1.0563	178	10.00%	$207
2012	$1.0817	178	10.00%	$212
2013	$1.1078	178	10.00%	$217
2014	$1.1342	178	10.00%	$222
2015	$1.1614	178	10.00%	$227
2016	$1.1893	178	10.00%	$233
2017	$1.2179	178	10.00%	$238
2018	$1.2471	178	10.00%	$244
2019	$1.2770	178	10.00%	$250
2020	$1.3077	178	10.00%	$256
2021	$1.3390	178	10.00%	$262
2022	$1.3712	178	10.00%	$268
2023	$1.4041	178	10.00%	$275
2024	$1.4378	178	10.00%	$282
2025	$1.4723	178	10.00%	$288

Gas Energy Charge - Table 3

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.5880	178	10.00%	$115
2007	$0.5880	178	10.00%	$115
2008	$0.5880	178	10.00%	$115
2009	$0.5880	178	10.00%	$115
2010	$0.5880	178	10.00%	$115
2011	$0.5880	178	10.00%	$115
2012	$0.5880	178	10.00%	$115
2013	$0.5880	178	10.00%	$115
2014	$0.5880	178	10.00%	$115
2015	$0.5880	178	10.00%	$115
2016	$0.5880	178	10.00%	$115
2017	$0.5880	178	10.00%	$115
2018	$0.5880	178	10.00%	$115
2019	$0.5880	178	10.00%	$115
2020	$0.5880	178	10.00%	$115
2021	$0.5880	178	10.00%	$115
2022	$0.5880	178	10.00%	$115
2023	$0.5880	178	10.00%	$115
2024	$0.5880	178	10.00%	$115
2025	$0.5880	178	10.00%	$115

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	$15.00	$180.00	178	443	40.18%	10.00%	$80
2007	$15.00	$180.00	178	443	40.18%	10.00%	$80
2008	$15.00	$180.00	178	443	40.18%	10.00%	$80
2009	$15.00	$180.00	178	443	40.18%	10.00%	$80
2010	$15.00	$180.00	178	443	40.18%	10.00%	$80
2011	$15.00	$180.00	178	443	40.18%	10.00%	$80
2012	$15.00	$180.00	178	443	40.18%	10.00%	$80
2013	$15.00	$180.00	178	443	40.18%	10.00%	$80
2014	$15.00	$180.00	178	443	40.18%	10.00%	$80
2015	$15.00	$180.00	178	443	40.18%	10.00%	$80
2016	$15.00	$180.00	178	443	40.18%	10.00%	$80
2017	$15.00	$180.00	178	443	40.18%	10.00%	$80
2018	$15.00	$180.00	178	443	40.18%	10.00%	$80
2019	$15.00	$180.00	178	443	40.18%	10.00%	$80
2020	$15.00	$180.00	178	443	40.18%	10.00%	$80
2021	$15.00	$180.00	178	443	40.18%	10.00%	$80
2022	$15.00	$180.00	178	443	40.18%	10.00%	$80
2023	$15.00	$180.00	178	443	40.18%	10.00%	$80
2024	$15.00	$180.00	178	443	40.18%	10.00%	$80
2025	$15.00	$180.00	178	443	40.18%	10.00%	$80

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Replacement Program
RIM Test and Participants Test Results

For

Heating Systems

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

Appliance Type
Heating System

		Benefits				Costs							
Year	Year Number	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	
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)	$2,085	$192	$184	$115	$80	**$857**
2007	2	$358	0	$197	**$555**	0	0	0	$197	$188	$115	$80	**$579**
2008	3	$363	0	$201	**$564**	0	0	0	$201	$193	$115	$80	**$589**
2009	4	$368	0	$206	**$574**	0	0	0	$206	$197	$115	$80	**$598**
2010	5	$372	0	$211	**$583**	0	0	0	$211	$202	$115	$80	**$608**
2011	6	$377	0	$216	**$593**	0	0	0	$216	$207	$115	$80	**$618**
2012	7	$382	0	$221	**$603**	0	0	0	$221	$212	$115	$80	**$628**
2013	8	$386	0	$227	**$613**	0	0	0	$227	$217	$115	$80	**$638**
2014	9	$391	0	$232	**$623**	0	0	0	$232	$222	$115	$80	**$649**
2015	10	$396	0	$238	**$633**	0	0	0	$238	$227	$115	$80	**$660**
2016	11	$400	0	$243	**$644**	0	0	0	$243	$233	$115	$80	**$671**
2017	12	$405	0	$249	**$654**	0	0	0	$249	$238	$115	$80	**$682**
2018	13	$410	0	$255	**$665**	0	0	0	$255	$244	$115	$80	**$694**
2019	14	$414	0	$261	**$676**	0	0	0	$261	$250	$115	$80	**$706**
2020	15	$419	350	$268	**$1,037**	2,929	(5,495)	2,352	$268	$256	$115	$80	**$504**
2021	16	$424	0	$274	**$698**	0	0	0	$274	$262	$115	$80	**$731**
2022	17	$428	0	$281	**$709**	0	0	0	$281	$268	$115	$80	**$744**
2023	18	$433	0	$287	**$720**	0	0	0	$287	$275	$115	$80	**$757**
2024	19	$438	0	$294	**$732**	0	0	0	$294	$282	$115	$80	**$770**
2025	20	$442	0	$301	**$744**	0	0	0	$301	$288	$115	$80	**$784**

Present Value of Benefits	**$6,730**
Present Value of Costs	**$6,506**
Benefit/Cost Ratio	**1.03**

Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006
Residential Appliance Replacement 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	$34	$32	$627.33	$861
2007	$105	$171	$72	$348	$171	$33	$33	$2.33	$239
2008	$105	$175	$72	$352	$175	$31	$34	$2.33	$243
2009	$105	$179	$72	$356	$179	$30	$35	$2.33	$247
2010	$105	$184	$72	$361	$184	$29	$36	$2.33	$251
2011	$105	$188	$72	$365	$188	$28	$37	$2.33	$255
2012	$105	$193	$72	$370	$193	$27	$37	$2.33	$259
2013	$105	$197	$72	$374	$197	$26	$38	$2.33	$264
2014	$105	$202	$72	$379	$202	$25	$39	$2.33	$269
2015	$105	$207	$72	$384	$207	$24	$40	$2.33	$274
2016	$105	$212	$72	$389	$212	$24	$41	$2.33	$279
2017	$105	$217	$72	$394	$217	$23	$42	$2.33	$284
2018	$105	$222	$72	$399	$222	$22	$43	$2.33	$289
2019	$105	$227	$72	$404	$227	$21	$44	$2.33	$295
2020	$105	$233	$72	$410	$233	$20	$45	$627.33	$926
2021	$105	$238	$72	$415	$238	$20	$47	$2.33	$307
2022	$105	$244	$72	$421	$244	$19	$47	$2.33	$313
2023	$105	$250	$72	$427	$250	$18	$49	$2.33	$319
2024	$105	$256	$72	$433	$256	$18	$50	$2.33	$326
2025	$105	$262	$72	$439	$262	$17	$51	$2.33	$333

Present Value of Benefits	**$3,692**	**Present Value of Costs**	**$3,395**

Benefit/Cost Ratio	**1.09**

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

Appliance Type
Heating System

Fuel Rate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	178	$0.5880	$105
2007	178	$0.5880	$105
2008	178	$0.5880	$105
2009	178	$0.5880	$105
2010	178	$0.5880	$105
2011	178	$0.5880	$105
2012	178	$0.5880	$105
2013	178	$0.5880	$105
2014	178	$0.5880	$105
2015	178	$0.5880	$105
2016	178	$0.5880	$105
2017	178	$0.5880	$105
2018	178	$0.5880	$105
2019	178	$0.5880	$105
2020	178	$0.5880	$105
2021	178	$0.5880	$105
2022	178	$0.5880	$105
2023	178	$0.5880	$105
2024	178	$0.5880	$105
2025	178	$0.5880	$105

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

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	6*7*8
Year	Supply Main	Developmen Main	Service Line	Meter	Total Investment	Cost of Debt	Ratio of Therms Consumed To Total	Investment Carrying Cost
2006	$50	$280	$470	$180	$980	8.60%	40.18%	$34
2007	$48	$271	$453	$173	$945	8.60%	40.18%	$33
2008	$46	$262	$437	$166	$911	8.60%	40.18%	$31
2009	$44	$253	$421	$160	$878	8.60%	40.18%	$30
2010	$43	$245	$406	$154	$848	8.60%	40.18%	$29
2011	$42	$237	$391	$148	$818	8.60%	40.18%	$28
2012	$41	$229	$377	$142	$789	8.60%	40.18%	$27
2013	$40	$221	$363	$136	$760	8.60%	40.18%	$26
2014	$39	$214	$350	$131	$734	8.60%	40.18%	$25
2015	$38	$207	$337	$126	$708	8.60%	40.18%	$24
2016	$37	$200	$325	$121	$683	8.60%	40.18%	$24
2017	$36	$193	$313	$116	$658	8.60%	40.18%	$23
2018	$35	$187	$302	$111	$635	8.60%	40.18%	$22
2019	$34	$181	$291	$107	$613	8.60%	40.18%	$21
2020	$33	$175	$281	$103	$592	8.60%	40.18%	$20
2021	$32	$169	$271	$99	$571	8.60%	40.18%	$20
2022	$31	$163	$261	$95	$550	8.60%	40.18%	$19
2023	$30	$158	$252	$91	$531	8.60%	40.18%	$18
2024	$29	$153	$243	$87	$512	8.60%	40.18%	$18
2025	$28	$148	$234	$84	$494	8.60%	40.18%	$17

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	$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	$39.68	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	Gas Supply Rate	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

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Replacement Program
RIM Test and Participants Test Results

For

Cooking Appliances

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

Appliance Type
Cooking

		Benefits				Costs							
Year	Year Number	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	
1	2	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	$46	$29	$20	**$407**
2007	2	$149	0	$37	**$186**	0	0	0	$37	$48	$30	$20	**$134**
2008	3	$151	0	$38	**$189**	0	0	0	$38	$49	$31	$20	**$137**
2009	4	$153	0	$39	**$191**	0	0	0	$39	$50	$31	$20	**$140**
2010	5	$155	0	$40	**$194**	0	0	0	$40	$51	$32	$20	**$143**
2011	6	$157	0	$41	**$197**	0	0	0	$41	$52	$33	$20	**$146**
2012	7	$159	0	$42	**$200**	0	0	0	$42	$54	$34	$20	**$149**
2013	8	$161	0	$43	**$203**	0	0	0	$43	$55	$34	$20	**$152**
2014	9	$163	0	$44	**$206**	0	0	0	$44	$56	$35	$20	**$155**
2015	10	$165	0	$45	**$209**	0	0	0	$45	$57	$36	$20	**$158**
2016	11	$166	0	$46	**$212**	0	0	0	$46	$59	$37	$20	**$162**
2017	12	$168	0	$47	**$215**	0	0	0	$47	$60	$38	$20	**$165**
2018	13	$170	0	$48	**$218**	0	0	0	$48	$62	$39	$20	**$168**
2019	14	$172	100	$49	**$321**	626	(800)	279	$49	$63	$40	$20	**$276**
2020	15	$174	0	$50	**$224**	0	0	0	$50	$65	$41	$20	**$176**
2021	16	$176	0	$51	**$228**	0	0	0	$51	$66	$42	$20	**$179**
2022	17	$178	0	$53	**$231**	0	0	0	$53	$68	$43	$20	**$183**
2023	18	$180	0	$54	**$234**	0	0	0	$54	$70	$44	$20	**$187**
2024	19	$182	0	$55	**$237**	0	0	0	$55	$71	$45	$20	**$191**
2025	20	$184	0	$56	**$240**	0	0	0	$56	$73	$46	$20	**$195**

Present Value of Benefits	$2,126

Present Value of Costs	$1,793

Benefit/Cost Ratio	1.19

Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data

Appliance Type
Cooking

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	$0.5880	45	10.00%	$29
2007	$0.6021	45	10.00%	$30
2008	$0.6166	45	10.00%	$31
2009	$0.6314	45	10.00%	$31
2010	$0.6465	45	10.00%	$32
2011	$0.6620	45	10.00%	$33
2012	$0.6779	45	10.00%	$34
2013	$0.6942	45	10.00%	$34
2014	$0.7109	45	10.00%	$35
2015	$0.7279	45	10.00%	$36
2016	$0.7454	45	10.00%	$37
2017	$0.7633	45	10.00%	$38
2018	$0.7816	45	10.00%	$39
2019	$0.8004	45	10.00%	$40
2020	$0.8196	45	10.00%	$41
2021	$0.8392	45	10.00%	$42
2022	$0.8594	45	10.00%	$43
2023	$0.8800	45	10.00%	$44
2024	$0.9011	45	10.00%	$45
2025	$0.9227	45	10.00%	$46

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	$15.00	$180.00	45	443	10.16%	10.00%	$20
2007	$15.00	$180.00	45	443	10.16%	10.00%	$20
2008	$15.00	$180.00	45	443	10.16%	10.00%	$20
2009	$15.00	$180.00	45	443	10.16%	10.00%	$20
2010	$15.00	$180.00	45	443	10.16%	10.00%	$20
2011	$15.00	$180.00	45	443	10.16%	10.00%	$20
2012	$15.00	$180.00	45	443	10.16%	10.00%	$20
2013	$15.00	$180.00	45	443	10.16%	10.00%	$20
2014	$15.00	$180.00	45	443	10.16%	10.00%	$20
2015	$15.00	$180.00	45	443	10.16%	10.00%	$20
2016	$15.00	$180.00	45	443	10.16%	10.00%	$20
2017	$15.00	$180.00	45	443	10.16%	10.00%	$20
2018	$15.00	$180.00	45	443	10.16%	10.00%	$20
2019	$15.00	$180.00	45	443	10.16%	10.00%	$20
2020	$15.00	$180.00	45	443	10.16%	10.00%	$20
2021	$15.00	$180.00	45	443	10.16%	10.00%	$20
2022	$15.00	$180.00	45	443	10.16%	10.00%	$20
2023	$15.00	$180.00	45	443	10.16%	10.00%	$20
2024	$15.00	$180.00	45	443	10.16%	10.00%	$20
2025	$15.00	$180.00	45	443	10.16%	10.00%	$20

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

Appliance Type

Cooking

	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	$26	$42	$18	$87	$42	$9	$8	$100.59	$160
2007	$26	$43	$18	$88	$43	$8	$8	$0.59	$60
2008	$26	$44	$18	$89	$44	$8	$9	$0.59	$61
2009	$26	$45	$18	$90	$45	$8	$9	$0.59	$62
2010	$26	$46	$18	$91	$46	$7	$9	$0.59	$63
2011	$26	$48	$18	$92	$48	$7	$9	$0.59	$65
2012	$26	$49	$18	$93	$49	$7	$9	$0.59	$66
2013	$26	$50	$18	$95	$50	$7	$10	$0.59	$67
2014	$26	$51	$18	$96	$51	$6	$10	$0.59	$68
2015	$26	$52	$18	$97	$52	$6	$10	$0.59	$69
2016	$26	$54	$18	$98	$54	$6	$10	$0.59	$70
2017	$26	$55	$18	$100	$55	$6	$11	$0.59	$72
2018	$26	$56	$18	$101	$56	$6	$11	$0.59	$73
2019	$26	$57	$18	$102	$57	$5	$11	$100.59	$175
2020	$26	$59	$18	$104	$59	$5	$11	$0.59	$76
2021	$26	$60	$18	$105	$60	$5	$12	$0.59	$78
2022	$26	$62	$18	$106	$62	$5	$12	$0.59	$79
2023	$26	$63	$18	$108	$63	$5	$12	$0.59	$81
2024	$26	$65	$18	$109	$65	$4	$13	$0.59	$82
2025	$26	$66	$18	$111	$66	$4	$13	$0.59	$84

Present Value of Benefits	**$933**	**Present Value of Costs**	**$789**

Benefit/Cost Ratio	**1.18**

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

Appliance Type
Cooking

Fuel Rate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	45	$0.5880	$26
2007	45	$0.5880	$26
2008	45	$0.5880	$26
2009	45	$0.5880	$26
2010	45	$0.5880	$26
2011	45	$0.5880	$26
2012	45	$0.5880	$26
2013	45	$0.5880	$26
2014	45	$0.5880	$26
2015	45	$0.5880	$26
2016	45	$0.5880	$26
2017	45	$0.5880	$26
2018	45	$0.5880	$26
2019	45	$0.5880	$26
2020	45	$0.5880	$26
2021	45	$0.5880	$26
2022	45	$0.5880	$26
2023	45	$0.5880	$26
2024	45	$0.5880	$26
2025	45	$0.5880	$26

Table 1a

Revenue - Cost of Gas

1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	45	$0.9382	$42
2007	45	$0.9607	$43
2008	45	$0.9838	$44
2009	45	$1.0074	$45
2010	45	$1.0316	$46
2011	45	$1.0563	$48
2012	45	$1.0817	$49
2013	45	$1.1076	$50
2014	45	$1.1342	$51
2015	45	$1.1614	$52
2016	45	$1.1893	$54
2017	45	$1.2179	$55
2018	45	$1.2471	$56
2019	45	$1.2770	$57
2020	45	$1.3077	$59
2021	45	$1.3390	$60
2022	45	$1.3712	$62
2023	45	$1.4041	$63
2024	45	$1.4378	$65
2025	45	$1.4723	$66

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	10.16%	$18
2007	$15.00	$180.00	10.16%	$18
2008	$15.00	$180.00	10.16%	$18
2009	$15.00	$180.00	10.16%	$18
2010	$15.00	$180.00	10.16%	$18
2011	$15.00	$180.00	10.16%	$18
2012	$15.00	$180.00	10.16%	$18
2013	$15.00	$180.00	10.16%	$18
2014	$15.00	$180.00	10.16%	$18
2015	$15.00	$180.00	10.16%	$18
2016	$15.00	$180.00	10.16%	$18
2017	$15.00	$180.00	10.16%	$18
2018	$15.00	$180.00	10.16%	$18
2019	$15.00	$180.00	10.16%	$18
2020	$15.00	$180.00	10.16%	$18
2021	$15.00	$180.00	10.16%	$18
2022	$15.00	$180.00	10.16%	$18
2023	$15.00	$180.00	10.16%	$18
2024	$15.00	$180.00	10.16%	$18
2025	$15.00	$180.00	10.16%	$18

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$280	$470	$180	$980	8.60%	10.16%	$9
2007	$48	$271	$453	$173	$945	8.60%	10.16%	$8
2008	$46	$262	$437	$166	$911	8.60%	10.16%	$8
2009	$44	$253	$421	$160	$878	8.60%	10.16%	$8
2010	$43	$245	$408	$154	$848	8.60%	10.16%	$7
2011	$42	$237	$391	$148	$818	8.60%	10.16%	$7
2012	$41	$229	$377	$142	$789	8.60%	10.16%	$7
2013	$40	$221	$363	$136	$760	8.60%	10.16%	$7
2014	$39	$214	$350	$131	$734	8.60%	10.16%	$6
2015	$38	$207	$337	$126	$708	8.60%	10.16%	$6
2016	$37	$200	$325	$121	$683	8.60%	10.16%	$6
2017	$36	$193	$313	$118	$658	8.60%	10.16%	$6
2018	$35	$187	$302	$111	$635	8.60%	10.16%	$6
2019	$34	$181	$291	$107	$613	8.60%	10.16%	$5
2020	$33	$175	$281	$103	$592	8.60%	10.16%	$5
2021	$32	$169	$271	$99	$571	8.60%	10.16%	$5
2022	$31	$163	$261	$95	$550	8.60%	10.16%	$5
2023	$30	$158	$252	$91	$531	8.60%	10.16%	$5
2024	$29	$153	$243	$87	$512	8.60%	10.16%	$4
2025	$28	$148	$234	$84	$494	8.60%	10.16%	$4

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	$4.01	$48	10.16%	$4.88	$32.81	10.16%	$3	$8
2007	$4.11	$49	10.16%	$4.98	$33.60	10.16%	$3	$8
2008	$4.20	$50	10.16%	$5.08	$34.40	10.16%	$3	$9
2009	$4.31	$52	10.16%	$5.28	$35.23	10.16%	$4	$9
2010	$4.41	$53	10.16%	$5.38	$36.07	10.16%	$4	$9
2011	$4.51	$54	10.16%	$5.49	$36.94	10.16%	$4	$9
2012	$4.62	$55	10.16%	$5.59	$37.83	10.16%	$4	$9
2013	$4.73	$57	10.16%	$5.79	$38.74	10.16%	$4	$10
2014	$4.85	$58	10.16%	$5.89	$39.66	10.16%	$4	$10
2015	$4.98	$60	10.16%	$6.09	$40.62	10.16%	$4	$10
2016	$5.08	$61	10.16%	$6.20	$41.59	10.16%	$4	$10
2017	$5.21	$62	10.16%	$6.30	$42.59	10.16%	$4	$11
2018	$5.33	$64	10.16%	$6.50	$43.61	10.16%	$4	$11
2019	$5.46	$65	10.16%	$6.60	$44.66	10.16%	$5	$11
2020	$5.59	$67	10.16%	$6.81	$45.73	10.16%	$5	$11
2021	$5.72	$69	10.16%	$7.01	$46.83	10.16%	$5	$12
2022	$5.86	$70	10.16%	$7.11	$47.95	10.16%	$5	$12
2023	$6.00	$72	10.16%	$7.31	$49.10	10.16%	$5	$12
2024	$6.15	$74	10.16%	$7.52	$50.28	10.16%	$5	$13
2025	$6.29	$76	10.16%	$7.72	$51.49	10.16%	$5	$13

Table 5

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2006	45	0.9382	$42
2007	45	$0.9607	$43
2008	45	$0.9838	$44
2009	45	$1.0074	$45
2010	45	$1.0316	$46
2011	45	$1.0563	$48
2012	45	$1.0817	$49
2013	45	$1.1076	$50
2014	45	$1.1342	$51
2015	45	$1.1614	$52
2016	45	$1.1893	$54
2017	45	$1.2179	$55
2018	45	$1.2471	$56
2019	45	$1.2770	$57
2020	45	$1.3077	$59
2021	45	$1.3390	$60
2022	45	$1.3712	$62
2023	45	$1.4041	$63
2024	45	$1.4378	$65
2025	45	$1.4723	$66

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Replacement Program
RIM Test and Participants Test Results

For

Clothes Drying Appliances

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

Appliance Type
Clothes Drying

		Benefits				Costs							
Year	Year Number	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	
1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2005	1	$164	$100	$36	**$300**	$379	($454)	$350	$36	$52	$32	$22	**$417**
2006	2	$167	0	$37	**$203**	0	0	0	$37	$53	$32	$22	**$144**
2007	3	$169	0	$38	**$207**	0	0	0	$38	$54	$32	$22	**$147**
2008	4	$171	0	$39	**$210**	0	0	0	$39	$55	$32	$22	**$149**
2009	5	$173	0	$40	**$213**	0	0	0	$40	$57	$32	$22	**$151**
2010	6	$175	0	$41	**$216**	0	0	0	$41	$58	$32	$22	**$153**
2011	7	$177	0	$42	**$219**	0	0	0	$42	$59	$32	$22	**$156**
2012	8	$180	0	$43	**$222**	0	0	0	$43	$61	$32	$22	**$158**
2013	9	$182	0	$44	**$225**	0	0	0	$44	$62	$32	$22	**$161**
2014	10	$184	0	$45	**$229**	0	0	0	$45	$64	$32	$22	**$163**
2015	11	$186	0	$46	**$232**	0	0	0	$46	$65	$32	$22	**$166**
2016	12	$188	0	$47	**$235**	0	0	0	$47	$67	$32	$22	**$168**
2017	13	$191	100	$48	**$338**	516	(618)	204	$48	$69	$32	$22	**$273**
2018	14	$193	0	$49	**$242**	0	0	0	$49	$70	$32	$22	**$174**
2019	15	$195	0	$50	**$245**	0	0	0	$50	$72	$32	$22	**$177**
2020	16	$197	0	$51	**$248**	0	0	0	$51	$74	$32	$22	**$180**
2021	17	$199	0	$53	**$252**	0	0	0	$53	$75	$32	$22	**$183**
2022	18	$201	0	$54	**$255**	0	0	0	$54	$77	$32	$22	**$186**
2023	19	$204	0	$55	**$259**	0	0	0	$55	$79	$32	$22	**$189**
2024	20	$206	0	$56	**$262**	0	0	0	$56	$81	$32	$22	**$192**

Present Value of Benefits	$2,315

Present Value of Costs	$1,854

Benefit/Cost Ratio	1.25

Chesapeake Utilities Corporation Florida Division - Energy Conservation Filing 2006
Residential Appliance Replacement Program
Participants Test - Data

Appliance Type
Clothes Drying

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	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	1,465	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	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.9382	50	10.00%	$52
2007	$0.9607	50	10.00%	$53
2008	$0.9838	50	10.00%	$54
2009	$1.0074	50	10.00%	$55
2010	$1.0316	50	10.00%	$57
2011	$1.0563	50	10.00%	$58
2012	$1.0817	50	10.00%	$59
2013	$1.1076	50	10.00%	$61
2014	$1.1342	50	10.00%	$62
2015	$1.1614	50	10.00%	$64
2016	$1.1893	50	10.00%	$65
2017	$1.2179	50	10.00%	$67
2018	$1.2471	50	10.00%	$69
2019	$1.2770	50	10.00%	$70
2020	$1.3077	50	10.00%	$72
2021	$1.3390	50	10.00%	$74
2022	$1.3712	50	10.00%	$75
2023	$1.4041	50	10.00%	$77
2024	$1.4378	50	10.00%	$79
2025	$1.4723	50	10.00%	$81

Gas Energy Charge - Table 3

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.5880	50	10.00%	$32
2007	$0.5880	50	10.00%	$32
2008	$0.5880	50	10.00%	$32
2009	$0.5880	50	10.00%	$32
2010	$0.5880	50	10.00%	$32
2011	$0.5880	50	10.00%	$32
2012	$0.5880	50	10.00%	$32
2013	$0.5880	50	10.00%	$32
2014	$0.5880	50	10.00%	$32
2015	$0.5880	50	10.00%	$32
2016	$0.5880	50	10.00%	$32
2017	$0.5880	50	10.00%	$32
2018	$0.5880	50	10.00%	$32
2019	$0.5880	50	10.00%	$32
2020	$0.5880	50	10.00%	$32
2021	$0.5880	50	10.00%	$32
2022	$0.5880	50	10.00%	$32
2023	$0.5880	50	10.00%	$32
2024	$0.5880	50	10.00%	$32
2025	$0.5880	50	10.00%	$32

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	$15.00	$180.00	50	443	11.29%	10.00%	$22
2007	$15.00	$180.00	50	443	11.29%	10.00%	$22
2008	$15.00	$180.00	50	443	11.29%	10.00%	$22
2009	$15.00	$180.00	50	443	11.29%	10.00%	$22
2010	$15.00	$180.00	50	443	11.29%	10.00%	$22
2011	$15.00	$180.00	50	443	11.29%	10.00%	$22
2012	$15.00	$180.00	50	443	11.29%	10.00%	$22
2013	$15.00	$180.00	50	443	11.29%	10.00%	$22
2014	$15.00	$180.00	50	443	11.29%	10.00%	$22
2015	$15.00	$180.00	50	443	11.29%	10.00%	$22
2016	$15.00	$180.00	50	443	11.29%	10.00%	$22
2017	$15.00	$180.00	50	443	11.29%	10.00%	$22
2018	$15.00	$180.00	50	443	11.29%	10.00%	$22
2019	$15.00	$180.00	50	443	11.29%	10.00%	$22
2020	$15.00	$180.00	50	443	11.29%	10.00%	$22
2021	$15.00	$180.00	50	443	11.29%	10.00%	$22
2022	$15.00	$180.00	50	443	11.29%	10.00%	$22
2023	$15.00	$180.00	50	443	11.29%	10.00%	$22
2024	$15.00	$180.00	50	443	11.29%	10.00%	$22
2025	$15.00	$180.00	50	443	11.29%	10.00%	$22

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

Appliance Type

Clothes Drying

	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	$29	$47	$20	$97	$47	$10	$9	$100.65	$166
2007	$29	$48	$20	$98	$48	$9	$9	$0.65	$67
2008	$29	$49	$20	$99	$49	$9	$10	$0.65	$68
2009	$29	$50	$20	$100	$50	$9	$10	$0.65	$69
2010	$29	$52	$20	$101	$52	$8	$10	$0.65	$71
2011	$29	$53	$20	$103	$53	$8	$10	$0.65	$72
2012	$29	$54	$20	$104	$54	$8	$10	$0.65	$73
2013	$29	$55	$20	$105	$55	$7	$11	$0.65	$74
2014	$29	$57	$20	$106	$57	$7	$11	$0.65	$76
2015	$29	$58	$20	$108	$58	$7	$11	$0.65	$77
2016	$29	$59	$20	$109	$59	$7	$12	$0.65	$78
2017	$29	$61	$20	$111	$61	$6	$12	$0.65	$80
2018	$29	$62	$20	$112	$62	$6	$12	$100.65	$181
2019	$29	$64	$20	$114	$64	$6	$12	$0.65	$83
2020	$29	$65	$20	$115	$65	$6	$13	$0.65	$85
2021	$29	$67	$20	$117	$67	$6	$13	$0.65	$86
2022	$29	$69	$20	$118	$69	$5	$13	$0.65	$88
2023	$29	$70	$20	$120	$70	$5	$14	$0.65	$90
2024	$29	$72	$20	$122	$72	$5	$14	$0.65	$92
2025	$29	$74	$20	$123	$74	$5	$14	$0.65	$93

Present Value of Benefits	**$1,037**	**Present Value of Costs**	**$865**

Benefit/Cost Ratio	**1.20**

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

Appliance Type
Clothes Drying

Fuel Rate Escalator	2.4%
Gas Energy Charge Escalator	0%
Gas Customer Charge Escalator	0%
O&M/Inflation 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	50	$0.5880	$29
2007	50	$0.5880	$29
2008	50	$0.5880	$29
2009	50	$0.5880	$29
2010	50	$0.5880	$29
2011	50	$0.5880	$29
2012	50	$0.5880	$29
2013	50	$0.5880	$29
2014	50	$0.5880	$29
2015	50	$0.5880	$29
2016	50	$0.5880	$29
2017	50	$0.5880	$29
2018	50	$0.5880	$29
2019	50	$0.5880	$29
2020	50	$0.5880	$29
2021	50	$0.5880	$29
2022	50	$0.5880	$29
2023	50	$0.5880	$29
2024	50	$0.5880	$29
2025	50	$0.5880	$29

Table 1a

Revenue - Cost of Gas

1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	50	$0.9382	$47
2007	50	$0.9607	$48
2008	50	$0.9838	$49
2009	50	$1.0074	$50
2010	50	$1.0316	$52
2011	50	$1.0563	$53
2012	50	$1.0817	$54
2013	50	$1.1076	$55
2014	50	$1.1342	$57
2015	50	$1.1614	$58
2016	50	$1.1893	$59
2017	50	$1.2179	$61
2018	50	$1.2471	$62
2019	50	$1.2770	$64
2020	50	$1.3077	$65
2021	50	$1.3390	$67
2022	50	$1.3712	$69
2023	50	$1.4041	$70
2024	50	$1.4378	$72
2025	50	$1.4723	$74

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	11.29%	$20
2007	$15.00	$180.00	11.29%	$20
2008	$15.00	$180.00	11.29%	$20
2009	$15.00	$180.00	11.29%	$20
2010	$15.00	$180.00	11.29%	$20
2011	$15.00	$180.00	11.29%	$20
2012	$15.00	$180.00	11.29%	$20
2013	$15.00	$180.00	11.29%	$20
2014	$15.00	$180.00	11.29%	$20
2015	$15.00	$180.00	11.29%	$20
2016	$15.00	$180.00	11.29%	$20
2017	$15.00	$180.00	11.29%	$20
2018	$15.00	$180.00	11.29%	$20
2019	$15.00	$180.00	11.29%	$20
2020	$15.00	$180.00	11.29%	$20
2021	$15.00	$180.00	11.29%	$20
2022	$15.00	$180.00	11.29%	$20
2023	$15.00	$180.00	11.29%	$20
2024	$15.00	$180.00	11.29%	$20
2025	$15.00	$180.00	11.29%	$20

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	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	$50	$280	$470	$180	$980	8.60%	11.29%	$10
2007	$48	$271	$453	$173	$945	8.60%	11.29%	$9
2008	$46	$262	$437	$166	$911	8.60%	11.29%	$9
2009	$44	$253	$421	$160	$878	8.60%	11.29%	$9
2010	$43	$245	$406	$154	$848	8.60%	11.29%	$8
2011	$42	$237	$391	$148	$818	8.60%	11.29%	$8
2012	$41	$229	$377	$142	$789	8.60%	11.29%	$8
2013	$40	$221	$363	$136	$760	8.60%	11.29%	$7
2014	$39	$214	$350	$131	$734	8.60%	11.29%	$7
2015	$38	$207	$337	$126	$708	8.60%	11.29%	$7
2016	$37	$200	$325	$121	$683	8.60%	11.29%	$7
2017	$36	$193	$313	$116	$658	8.60%	11.29%	$6
2018	$35	$187	$302	$111	$635	8.60%	11.29%	$6
2019	$34	$181	$291	$107	$613	8.60%	11.29%	$6
2020	$33	$175	$281	$103	$592	8.60%	11.29%	$6
2021	$32	$169	$271	$99	$571	8.60%	11.29%	$6
2022	$31	$163	$261	$95	$550	8.60%	11.29%	$6
2023	$30	$158	$252	$91	$531	8.60%	11.29%	$5
2024	$29	$153	$243	$87	$512	8.60%	11.29%	$5
2025	$28	$148	$234	$84	$494	8.60%	11.29%	$5

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	$4.01	$48	11.29%	$5.42	$32.81	11.29%	$4	$9
2007	$4.11	$49	11.29%	$5.53	$33.60	11.29%	$4	$9
2008	$4.20	$50	11.29%	$5.64	$34.40	11.29%	$4	$10
2009	$4.31	$52	11.29%	$5.87	$35.23	11.29%	$4	$10
2010	$4.41	$53	11.29%	$5.98	$36.07	11.29%	$4	$10
2011	$4.51	$54	11.29%	$6.09	$36.94	11.29%	$4	$10
2012	$4.62	$55	11.29%	$6.21	$37.83	11.29%	$4	$10
2013	$4.73	$57	11.29%	$6.43	$38.74	11.29%	$4	$11
2014	$4.85	$58	11.29%	$6.55	$39.66	11.29%	$4	$11
2015	$4.96	$60	11.29%	$6.77	$40.62	11.29%	$5	$11
2016	$5.08	$61	11.29%	$6.88	$41.59	11.29%	$5	$12
2017	$5.21	$62	11.29%	$7.00	$42.59	11.29%	$5	$12
2018	$5.33	$64	11.29%	$7.22	$43.61	11.29%	$5	$12
2019	$5.46	$65	11.29%	$7.34	$44.66	11.29%	$5	$12
2020	$5.59	$67	11.29%	$7.56	$45.73	11.29%	$5	$13
2021	$5.72	$69	11.29%	$7.79	$46.83	11.29%	$5	$13
2022	$5.86	$70	11.29%	$7.90	$47.95	11.29%	$5	$13
2023	$6.00	$72	11.29%	$8.13	$49.10	11.29%	$6	$14
2024	$6.15	$74	11.29%	$8.35	$50.28	11.29%	$6	$14
2025	$6.29	$76	11.29%	$8.58	$51.49	11.29%	$6	$14

Table 5

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2006	50	0.9382	$47
2007	50	$0.9607	$48
2008	50	$0.9838	$49
2009	50	$1.0074	$50
2010	50	$1.0316	$52
2011	50	$1.0563	$53
2012	50	$1.0817	$54
2013	50	$1.1076	$55
2014	50	$1.1342	$57
2015	50	$1.1614	$58
2016	50	$1.1893	$59
2017	50	$1.2179	$61
2018	50	$1.2471	$62
2019	50	$1.2770	$64
2020	50	$1.3077	$65
2021	50	$1.3390	$67
2022	50	$1.3712	$69
2023	50	$1.4041	$70
2024	50	$1.4378	$72
2025	50	$1.4723	$74

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

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

	Proposed Allowance	Participants Test	RIM Test
Gas Storage Tank Water Heating	$350	1.45	1.28
Gas Tankless Water Heating	$450	1.32	1.24
Gas Heating	$350	1.12	1.29
Gas Clothes Drying	$100	1.41	1.29
Gas Cooking	$100	1.39	1.27

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Retention Program
RIM Test and Participants Test Results

For

Storage Tank Water Heating

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

Appliance Type
Storage Tank Water Heating

		Benefits				Costs							
Year	Year Number	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	
1	2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
2005	1	$536	$350	$36	**$922**	$259	($314)	$250	$36	$175	$115	$63	**$585**
2006	2	$543	0	$37	**$580**	0	0	0	$37	$180	$115	$63	**$395**
2007	3	$550	0	$38	**$588**	0	0	0	$38	$184	$115	$63	**$401**
2008	4	$557	0	$39	**$596**	0	0	0	$39	$188	$115	$63	**$406**
2009	5	$564	0	$40	**$604**	0	0	0	$40	$193	$115	$63	**$411**
2010	6	$571	0	$41	**$612**	0	0	0	$41	$198	$115	$63	**$417**
2011	7	$578	0	$42	**$620**	0	0	0	$42	$202	$115	$63	**$423**
2012	8	$585	0	$43	**$628**	0	0	0	$43	$207	$115	$63	**$428**
2013	9	$592	0	$44	**$636**	0	0	0	$44	$212	$115	$63	**$434**
2014	10	$599	0	$45	**$644**	0	0	0	$45	$217	$115	$63	**$441**
2015	11	$607	0	$46	**$652**	0	0	0	$46	$222	$115	$63	**$447**
2016	12	$614	0	$47	**$660**	0	0	0	$47	$228	$115	$63	**$453**
2017	13	$621	0	$48	**$669**	0	0	0	$48	$233	$115	$63	**$460**
2018	14	$628	350	$49	**$1,027**	361	(438)	348	$49	$239	$115	$63	**$738**
2019	15	$635	0	$50	**$685**	0	0	0	$50	$245	$115	$63	**$473**
2020	16	$642	0	$51	**$693**	0	0	0	$51	$250	$115	$63	**$481**
2021	17	$649	0	$53	**$702**	0	0	0	$53	$256	$115	$63	**$488**
2022	18	$656	0	$54	**$710**	0	0	0	$54	$263	$115	$63	**$495**
2023	19	$663	0	$55	**$718**	0	0	0	$55	$269	$115	$63	**$503**
2024	20	$670	0	$56	**$727**	0	0	0	$56	$275	$115	$63	**$511**

Present Value of Benefits	**$6,613**

Present Value of Costs	**$4,503**

Benefit/Cost Ratio	**1.47**

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

Appliance Type
Storage Tank Water Heating

Escalation Rates			
O&M Expense	2.4%	Fuel Rate	2.4%
Electgric 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	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	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C*(1+D)
2006	$0.9382	170	10%	$175
2007	$0.9607	170	10%	$180
2008	$0.9838	170	10%	$184
2009	$1.0074	170	10%	$188
2010	$1.0316	170	10%	$193
2011	$1.0563	170	10%	$198
2012	$1.0817	170	10%	$202
2013	$1.1076	170	10%	$207
2014	$1.1342	170	10%	$212
2015	$1.1614	170	10%	$217
2016	$1.1893	170	10%	$222
2017	$1.2179	170	10%	$228
2018	$1.2471	170	10%	$233
2019	$1.2770	170	10%	$239
2020	$1.3077	170	10%	$245
2021	$1.3390	170	10%	$250
2022	$1.3712	170	10%	$256
2023	$1.4041	170	10%	$263
2024	$1.4378	170	10%	$269
2025	$1.4723	170	10%	$275

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	170	10%	$115
2007	$0.6175	170	10%	$115
2008	$0.6175	170	10%	$115
2009	$0.6175	170	10%	$115
2010	$0.6175	170	10%	$115
2011	$0.6175	170	10%	$115
2012	$0.6175	170	10%	$115
2013	$0.6175	170	10%	$115
2014	$0.6175	170	10%	$115
2015	$0.6175	170	10%	$115
2016	$0.6175	170	10%	$115
2017	$0.6175	170	10%	$115
2018	$0.6175	170	10%	$115
2019	$0.6175	170	10%	$115
2020	$0.6175	170	10%	$115
2021	$0.6175	170	10%	$115
2022	$0.6175	170	10%	$115
2023	$0.6175	170	10%	$115
2024	$0.6175	170	10%	$115
2025	$0.6175	170	10%	$115

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	170	443	38.37%	10%	$63
2007	$12.50	$150.00	170	443	38.37%	10%	$63
2008	$12.50	$150.00	170	443	38.37%	10%	$63
2009	$12.50	$150.00	170	443	38.37%	10%	$63
2010	$12.50	$150.00	170	443	38.37%	10%	$63
2011	$12.50	$150.00	170	443	38.37%	10%	$63
2012	$12.50	$150.00	170	443	38.37%	10%	$63
2013	$12.50	$150.00	170	443	38.37%	10%	$63
2014	$12.50	$150.00	170	443	38.37%	10%	$63
2015	$12.50	$150.00	170	443	38.37%	10%	$63
2016	$12.50	$150.00	170	443	38.37%	10%	$63
2017	$12.50	$150.00	170	443	38.37%	10%	$63
2018	$12.50	$150.00	170	443	38.37%	10%	$63
2019	$12.50	$150.00	170	443	38.37%	10%	$63
2020	$12.50	$150.00	170	443	38.37%	10%	$63
2021	$12.50	$150.00	170	443	38.37%	10%	$63
2022	$12.50	$150.00	170	443	38.37%	10%	$63
2023	$12.50	$150.00	170	443	38.37%	10%	$63
2024	$12.50	$150.00	170	443	38.37%	10%	$63
2025	$12.50	$150.00	170	443	38.37%	10%	$63

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

Appliance Type
Storage Tank 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	6 thru 9
2002	$105	$159	$58	$322	$159	$0	$0	$352.55	$512
2003	$105	$163	$58	$326	$163	$0	$0	$2.55	$166
2004	$105	$167	$58	$330	$167	$0	$0	$2.55	$170
2005	$105	$171	$58	$334	$171	$0	$0	$2.55	$174
2006	$105	$175	$58	$338	$175	$0	$0	$2.55	$178
2007	$105	$180	$58	$342	$180	$0	$0	$2.55	$182
2008	$105	$184	$58	$346	$184	$0	$0	$2.55	$186
2009	$105	$188	$58	$351	$188	$0	$0	$2.55	$191
2010	$105	$193	$58	$355	$193	$0	$0	$2.55	$195
2011	$105	$197	$58	$360	$197	$0	$0	$2.55	$200
2012	$105	$202	$58	$365	$202	$0	$0	$2.55	$205
2013	$105	$207	$58	$370	$207	$0	$0	$2.55	$210
2014	$105	$212	$58	$375	$212	$0	$0	$2.55	$215
2015	$105	$217	$58	$380	$217	$0	$0	$352.55	$570
2016	$105	$222	$58	$385	$222	$0	$0	$2.55	$225
2017	$105	$228	$58	$390	$228	$0	$0	$2.55	$230
2018	$105	$233	$58	$396	$233	$0	$0	$2.55	$236
2019	$105	$239	$58	$401	$239	$0	$0	$2.55	$241
2020	$105	$244	$58	$407	$244	$0	$0	$2.55	$247
2021	$105	$250	$58	$413	$250	$0	$0	$2.55	$253

Present Value of Benefits	**$3,462**	**Present Value of Costs**	**$2,334**

Benefit/Cost Ratio	**1.48**

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

Appliance Type
Storage Tank Water Heating

Fuel 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	170	$0.6175	$105
2007	170	$0.6175	$105
2008	170	$0.6175	$105
2009	170	$0.6175	$105
2010	170	$0.6175	$105
2011	170	$0.6175	$105
2012	170	$0.6175	$105
2013	170	$0.6175	$105
2014	170	$0.6175	$105
2015	170	$0.6175	$105
2016	170	$0.6175	$105
2017	170	$0.6175	$105
2018	170	$0.6175	$105
2019	170	$0.6175	$105
2020	170	$0.6175	$105
2021	170	$0.6175	$105
2022	170	$0.6175	$105
2023	170	$0.6175	$105
2024	170	$0.6175	$105
2025	170	$0.6175	$105

Table 1a

Revenue - Cost of Gas

1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	170	$0.9382	$159
2007	170	$0.9607	$163
2008	170	$0.9838	$167
2009	170	$1.0074	$171
2010	170	$1.0316	$175
2011	170	$1.0563	$180
2012	170	$1.0817	$184
2013	170	$1.1076	$188
2014	170	$1.1342	$193
2015	170	$1.1614	$197
2016	170	$1.1893	$202
2017	170	$1.2179	$207
2018	170	$1.2471	$212
2019	170	$1.2770	$217
2020	170	$1.3077	$222
2021	170	$1.3390	$228
2022	170	$1.3712	$233
2023	170	$1.4041	$239
2024	170	$1.4378	$244
2025	170	$1.4723	$250

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	38.37%	$58
2007	$12.50	$150.00	38.37%	$58
2008	$12.50	$150.00	38.37%	$58
2009	$12.50	$150.00	38.37%	$58
2010	$12.50	$150.00	38.37%	$58
2011	$12.50	$150.00	38.37%	$58
2012	$12.50	$150.00	38.37%	$58
2013	$12.50	$150.00	38.37%	$58
2014	$12.50	$150.00	38.37%	$58
2015	$12.50	$150.00	38.37%	$58
2016	$12.50	$150.00	38.37%	$58
2017	$12.50	$150.00	38.37%	$58
2018	$12.50	$150.00	38.37%	$58
2019	$12.50	$150.00	38.37%	$58
2020	$12.50	$150.00	38.37%	$58
2021	$12.50	$150.00	38.37%	$58
2022	$12.50	$150.00	38.37%	$58
2023	$12.50	$150.00	38.37%	$58
2024	$12.50	$150.00	38.37%	$58
2025	$12.50	$150.00	38.37%	$58

Table 3

Investment Carrying Costs

1	2	3	4	5	6	7	8	6*7*8
Year	Supply Main	Developmen 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%	38.37%	$0
2007	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2008	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2009	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2010	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2011	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2012	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2013	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2014	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2015	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2016	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2017	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2018	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2019	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2020	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2021	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2022	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2023	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2024	$0	$0	$0	$0	$0	8.60%	38.37%	$0
2025	$0	$0	$0	$0	$0	8.60%	38.37%	$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	38.37%	$0	$0	38.37%	$0	$0
2007	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2008	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2009	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2010	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2011	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2012	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2013	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2014	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2015	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2016	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2017	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2018	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2019	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2020	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2021	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2022	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2023	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2024	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0
2025	$0.00	$0	38.37%	$0	$0	38.37%	$0	$0

Table 5

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2006	170	0.9382	$159
2007	170	$0.9607	$163
2008	170	$0.9838	$167
2009	170	$1.0074	$171
2010	170	$1.0316	$175
2011	170	$1.0563	$180
2012	170	$1.0817	$184
2013	170	$1.1076	$188
2014	170	$1.1342	$193
2015	170	$1.1614	$197
2016	170	$1.1893	$202
2017	170	$1.2179	$207
2018	170	$1.2471	$212
2019	170	$1.2770	$217
2020	170	$1.3077	$222
2021	170	$1.3390	$228
2022	170	$1.3712	$233
2023	170	$1.4041	$239
2024	170	$1.4378	$244
2025	170	$1.4723	$250

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Retention Program
RIM Test and Participants Test Results

For

Tankless Water Heating

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

Appliance Type
Tankless Water Heating

		Benefits				Costs							
Year	Year Number	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	
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	$155	$102	$59	**$1,237**
2006	2	$543	0	$37	**$580**	0	0	0	$37	$155	$104	$59	**$355**
2007	3	$550	0	$38	**$588**	0	0	0	$38	$155	$107	$59	**$358**
2008	4	$557	0	$39	**$596**	0	0	0	$39	$155	$109	$59	**$361**
2009	5	$564	0	$40	**$604**	0	0	0	$40	$155	$112	$59	**$365**
2010	6	$571	0	$41	**$612**	0	0	0	$41	$155	$115	$59	**$369**
2011	7	$578	0	$42	**$620**	0	0	0	$42	$155	$117	$59	**$372**
2012	8	$585	0	$43	**$628**	0	0	0	$43	$155	$120	$59	**$376**
2013	9	$592	0	$44	**$636**	0	0	0	$44	$155	$123	$59	**$380**
2014	10	$599	0	$45	**$644**	0	0	0	$45	$155	$126	$59	**$384**
2015	11	$607	0	$46	**$652**	0	0	0	$46	$155	$129	$59	**$388**
2016	12	$614	0	$47	**$660**	0	0	0	$47	$155	$132	$59	**$392**
2017	13	$621	0	$48	**$669**	0	0	0	$48	$155	$135	$59	**$397**
2018	14	$628	0	$49	**$677**	0	0	0	$49	$155	$139	$59	**$401**
2019	15	$635	0	$50	**$685**	0	0	0	$50	$155	$142	$59	**$406**
2020	16	$642	0	$51	**$693**	0	0	0	$51	$155	$145	$59	**$410**
2021	17	$649	0	$53	**$702**	0	0	0	$53	$155	$149	$59	**$415**
2022	18	$656	0	$54	**$710**	0	0	0	$54	$155	$152	$59	**$420**
2023	19	$663	0	$55	**$718**	0	0	0	$55	$155	$156	$59	**$425**
2024	20	$670	450	$56	**$1,177**	1,527	(505)	402	$56	$155	$160	$59	**$1,853**

Present Value of Benefits	$6,683

Present Value of Costs	$4,834

Benefit/Cost Ratio	1.38

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

Appliance Type
Tankless Water Heating

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	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	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	$0.9382	150	10.00%	$155
2008	$0.9382	150	10.00%	$155
2009	$0.9382	150	10.00%	$155
2010	$0.9382	150	10.00%	$155
2011	$0.9382	150	10.00%	$155
2012	$0.9382	150	10.00%	$155
2013	$0.9382	150	10.00%	$155
2014	$0.9382	150	10.00%	$155
2015	$0.9382	150	10.00%	$155
2016	$0.9382	150	10.00%	$155
2017	$0.9382	150	10.00%	$155
2018	$0.9382	150	10.00%	$155
2019	$0.9382	150	10.00%	$155
2020	$0.9382	150	10.00%	$155
2021	$0.9382	150	10.00%	$155
2022	$0.9382	150	10.00%	$155
2023	$0.9382	150	10.00%	$155
2024	$0.9382	150	10.00%	$155
2025	$0.9382	150	10.00%	$155

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
RIM Test - Results

Appliance Type

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	6 thru 9
2002	$93	$141	$53	$287	$141	$0	$0	$452.55	$593
2003	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2004	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2005	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2006	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2007	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2008	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2009	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2010	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2011	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2012	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2013	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2014	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2015	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2016	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2017	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2018	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2019	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2020	$93	$141	$53	$287	$141	$0	$0	$2.55	$143
2021	$93	$141	$53	$287	$141	$0	$0	$452.55	$593

Present Value of Benefits **$2,813**

Present Value of Costs **$1,920**

Benefit/Cost Ratio **1.47**

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	$0.9382	$141
2008	150	$0.9382	$141
2009	150	$0.9382	$141
2010	150	$0.9382	$141
2011	150	$0.9382	$141
2012	150	$0.9382	$141
2013	150	$0.9382	$141
2014	150	$0.9382	$141
2015	150	$0.9382	$141
2016	150	$0.9382	$141
2017	150	$0.9382	$141
2018	150	$0.9382	$141
2019	150	$0.9382	$141
2020	150	$0.9382	$141
2021	150	$0.9382	$141
2022	150	$0.9382	$141
2023	150	$0.9382	$141
2024	150	$0.9382	$141
2025	150	$0.9382	$141

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	8	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

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2006	150	0.9382	$141
2007	150	$0.9382	$141
2008	150	$0.9382	$141
2009	150	$0.9382	$141
2010	150	$0.9382	$141
2011	150	$0.9382	$141
2012	150	$0.9382	$141
2013	150	$0.9382	$141
2014	150	$0.9382	$141
2015	150	$0.9382	$141
2016	150	$0.9382	$141
2017	150	$0.9382	$141
2018	150	$0.9382	$141
2019	150	$0.9382	$141
2020	150	$0.9382	$141
2021	150	$0.9382	$141
2022	150	$0.9382	$141
2023	150	$0.9382	$141
2024	150	$0.9382	$141
2025	150	$0.9382	$141

RIM Test and E**xhibit A**

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Retention Program
RIM Test and Participants Test Results

For

Heating Systems

Chesapeake Utilities Corporation Florida Division - Energy onservation Filing 2006
Residential Appliance Retention Progm
Participants Test - Cost Effective Rests

Appliance Type
Heating System

	Benefits				Costs							
Year Number	Avoided Electric KWH Cost	Gas Rebate	Avoided Electric Appliance O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	(Appliance) & M	Gas Supply Cost	Gas Energy Charge	Gas Custome Charge	Gas (TOTAL COSTS
	Table 1								Table 2	Table 3	Table 4	
2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
1	$353	$350	$192	**$895**	$2,052	($3,850)	$1,648	$192	$184	$121	$66	**$413**
2	$358	0	$197	**$555**	0	0	0	$197	$188	$121	$66	**$572**
3	$363	0	$201	**$564**	0	0	0	$201	$193	$121	$66	**$581**
4	$368	0	$206	**$574**	0	0	0	$206	$197	$121	$66	**$591**
5	$372	0	$211	**$583**	0	0	0	$211	$202	$121	$66	**$600**
6	$377	0	$216	**$593**	0	0	0	$216	$207	$121	$66	**$610**
7	$382	0	$221	**$603**	0	0	0	$221	$212	$121	$66	**$620**
8	$386	0	$227	**$613**	0	0	0	$227	$217	$121	$66	**$631**
9	$391	0	$232	**$623**	0	0	0	$232	$222	$121	$66	**$641**
10	$396	0	$238	**$633**	0	0	0	$238	$227	$121	$66	**$652**
11	$400	0	$243	**$644**	0	0	0	$243	$233	$121	$66	**$663**
12	$405	0	$249	**$654**	0	0	0	$249	$238	$121	$66	**$675**
13	$410	0	$255	**$665**	0	0	0	$255	$244	$121	$66	**$687**
14	$414	0	$261	**$676**	0	0	0	$261	$250	$121	$66	**$699**
15	$419	350	$268	**$1,037**	2,929	(5,495)	2,352	$268	$256	$121	$66	**$497**
16	$424	0	$274	**$698**	0	0	0	$274	$262	$121	$66	**$723**
17	$428	0	$281	**$709**	0	0	0	$281	$268	$121	$66	**$736**
18	$433	0	$287	**$720**	0	0	0	$287	$275	$121	$66	**$749**
19	$438	0	$294	**$732**	0	0	0	$294	$282	$121	$66	**$763**
20	$442	0	$301	**$744**	0	0	0	$301	$288	$121	$66	**$777**

Present Value of Benefits	**$6,475**	Present Value of Costs	**$6,028**
Benefit/Cost Ratio	**1.07**		

Chesapeake Utilities Corporation Florida Division - Energy Conservatioiling 2006 n Fi
Residential Appliance Retention Program
Participants Test - Data

e Type
;ystem

Fuel Rates	2.4%

(WH Cost - Table 1

Annual KWH	Tax Rate	Electric Cost
C	D	B*C*(1+D)
3,150	10.00%	$353
3,150	10.00%	$358
3,150	10.00%	$363
3,150	10.00%	$368
3,150	10.00%	$372
3,150	10.00%	$377
3,150	10.00%	$382
3,150	10.00%	$386
3,150	10.00%	$391
3,150	10.00%	$396
3,150	10.00%	$400
3,150	10.00%	$405
3,150	10.00%	$410
3,150	10.00%	$414
3,150	10.00%	$419
3,150	10.00%	$424
3,150	10.00%	$428
3,150	10.00%	$433
3,150	10.00%	$438
3,150	10.00%	$442

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	178	10.00%	$184
2007	$0.9607	178	10.00%	$188
2008	$0.9838	178	10.00%	$193
2009	$1.0074	178	10.00%	$197
2010	$1.0316	178	10.00%	$202
2011	$1.0563	178	10.00%	$207
2012	$1.0817	178	10.00%	$212
2013	$1.1076	178	10.00%	$217
2014	$1.1342	178	10.00%	$222
2015	$1.1614	178	10.00%	$227
2016	$1.1893	178	10.00%	$233
2017	$1.2179	178	10.00%	$238
2018	$1.2471	178	10.00%	$244
2019	$1.2770	178	10.00%	$250
2020	$1.3077	178	10.00%	$256
2021	$1.3390	178	10.00%	$262
2022	$1.3712	178	10.00%	$268
2023	$1.4041	178	10.00%	$275
2024	$1.4378	178	10.00%	$282
2025	$1.4723	178	10.00%	$288

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	178	10.00%	$121
2007	$0.6175	178	10.00%	$121
2008	$0.6175	178	10.00%	$121
2009	$0.6175	178	10.00%	$121
2010	$0.6175	178	10.00%	$121
2011	$0.6175	178	10.00%	$121
2012	$0.6175	178	10.00%	$121
2013	$0.6175	178	10.00%	$121
2014	$0.6175	178	10.00%	$121
2015	$0.6175	178	10.00%	$121
2016	$0.6175	178	10.00%	$121
2017	$0.6175	178	10.00%	$121
2018	$0.6175	178	10.00%	$121
2019	$0.6175	178	10.00%	$121
2020	$0.6175	178	10.00%	$121
2021	$0.6175	178	10.00%	$121
2022	$0.6175	178	10.00%	$121
2023	$0.6175	178	10.00%	$121
2024	$0.6175	178	10.00%	$121
2025	$0.6175	178	10.00%	$121

Gas Customer Charge - Table 4

Year	Monthly Customer Charge	Annual Customer Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	Tax
A	B	C	D	E	D/E	
2006	$12.50	$150.00	178	443	40.18%	10.
2007	$12.50	$150.00	178	443	40.18%	10.
2008	$12.50	$150.00	178	443	40.18%	10.
2009	$12.50	$150.00	178	443	40.18%	10.
2010	$12.50	$150.00	178	443	40.18%	10.
2011	$12.50	$150.00	178	443	40.18%	10.
2012	$12.50	$150.00	178	443	40.18%	10.
2013	$12.50	$150.00	178	443	40.18%	10.
2014	$12.50	$150.00	178	443	40.18%	10
2015	$12.50	$150.00	178	443	40.18%	10.
2016	$12.50	$150.00	178	443	40.18%	10.
2017	$12.50	$150.00	178	443	40.18%	10
2018	$12.50	$150.00	178	443	40.18%	10.
2019	$12.50	$150.00	178	443	40.18%	10
2020	$12.50	$150.00	178	443	40.18%	10
2021	$12.50	$150.00	178	443	40.18%	10.
2022	$12.50	$150.00	178	443	40.18%	10
2023	$12.50	$150.00	178	443	40.18%	10
2024	$12.50	$150.00	178	443	40.18%	10
2025	$12.50	$150.00	178	443	40.18%	10

Pro-Rated Customer Charge
C*(D/E)*(1+Z)
$66
$66
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$66
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$66
$66
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$66
$66
$66
$66
$66
$66

Chesapeake Utilities Corporation Florida Division - Energy Conservation Fil2006 ling
Residential Appliance Retention Program
RIM Test - Calculated Data

Fuel Ral	2.4%
Gas Ene	0%
Gas Cus	0%
O&M Es	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

1!*3
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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 - Cuer Charge				
1	2	3	4	4*3
Year	Monthly Customer Charge	Annual Cus Charg	Ratio Therms To Total Consumed	Prorated Annual Customer Charge
2006	$12.50	$150.0	40.18%	$60
2007	$12.50	$150.0	40.18%	$60
2008	$12.50	$150.0	40.18%	$60
2009	$12.50	$150.0	40.18%	$60
2010	$12.50	$150.0	40.18%	$60
2011	$12.50	$150.0	40.18%	$60
2012	$12.50	$150.0	40.18%	$60
2013	$12.50	$150.0	40.18%	$60
2014	$12.50	$150.0	40.18%	$60
2015	$12.50	$150.0	40.18%	$60
2016	$12.50	$150.0	40.18%	$60
2017	$12.50	$150.0	40.18%	$60
2018	$12.50	$150.0	40.18%	$60
2019	$12.50	$150.0	40.18%	$60
2020	$12.50	$150.0	40.18%	$60
2021	$12.50	$150.0	40.18%	$60
2022	$12.50	$150.0	40.18%	$60
2023	$12.50	$150.0	40.18%	$60
2024	$12.50	$150.0	40.18%	$60
2025	$12.50	$150.0	40.18%	$60

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Table 3

Investment Carrying Costs					
14	5	6	7	8	6*7*8
vice Yeine	Meter	Total Investment	Cost of Debt	Ratio of Therms Consumed To Total	Investment Carrying Cost
2060	$0	$0	8.60%	40.18%	$0
2060	$0	$0	8.60%	40.18%	$0
2060	$0	$0	8.60%	40.18%	$0
2060	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$0
20$0	$0	$0	8.60%	40.18%	$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 Therr Total Cons	Annual Ratio O&M Cost	Total Incremental Adm. & O&M Cost
2006	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2007	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2008	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2009	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2010	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2011	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2012	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2013	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2014	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2015	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2016	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2017	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2018	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2019	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2020	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2021	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2022	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2023	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2024	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0
2025	$0.00	$0	40.18%	$0	$0	40.18%	$0	$0

Table 5

Gas Cost:			
1	2		2*3
Year	Therms	Gams To ly umed	Gas Supply Cost
2006	178	0[illegible]	$167
2007	178	$[illegible]	$171
2008	178	$[illegible]	$175
2009	178	$[illegible]	$179
2010	178	$[illegible]	$184
2011	178	$[illegible]	$188
2012	178	$[illegible]	$193
2013	178	$[illegible]	$197
2014	178	$[illegible]	$202
2015	178	$[illegible]	$207
2016	178	$[illegible]	$212
2017	178	$[illegible]	$217
2018	178	$[illegible]	$222
2019	178	$[illegible]	$227
2020	178	$[illegible]	$233
2021	178	$[illegible]	$238
2022	178	$[illegible]	$244
2023	178	$[illegible]	$250
2024	178	$[illegible]	$256
2025	178	$[illegible]	$262

sapeake Utilities Corporation Florida Division - Energy Coiervation Filing 2006 ıs
Residential Appliance Retention Program
RIM Test - Results

ce Type

System

Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Revenue Cust. Charge	**Total Gas Revenue**	Gas Supply Cost	Investment Carrying Costs	Incrntal Cumer ts	Program Cost	**Total Costs**	eme stor Cost able
Table 1	**Table 1A**	**Table 2**		**Table 5**	**Table 3**	**Te 4**			
2	3	4	2 thru 4	6	7		9	6 thru 9	8
$110	$167	$60	$337	$167	$0		$352.67	$520	$0
$110	$171	$60	$341	$171	$0		$2.67	$174	$0
$110	$175	$60	$345	$175	$0		$2.67	$178	$0
$110	$179	$60	$350	$179	$0		$2.67	$182	$0
$110	$184	$60	$354	$184	$0		$2.67	$186	$0
$110	$188	$60	$358	$188	$0		$2.67	$191	$0
$110	$193	$60	$363	$193	$0		$2.67	$195	$0
$110	$197	$60	$367	$197	$0		$2.67	$200	$0
$110	$202	$60	$372	$202	$0		$2.67	$205	$0
$110	$207	$60	$377	$207	$0		$2.67	$209	$0
$110	$212	$60	$382	$212	$0		$2.67	$214	$0
$110	$217	$60	$387	$217	$0		$2.67	$219	$0
$110	$222	$60	$392	$222	$0		$2.67	$225	$0
$110	$227	$60	$397	$227	$0		$2.67	$230	$0
$110	$233	$60	$403	$233	$0		$352.67	$585	$0
$110	$238	$60	$409	$238	$0		$2.67	$241	$0
$110	$244	$60	$414	$244	$0		$2.67	$247	$0
$110	$250	$60	$420	$250	$0		$2.67	$253	$0
$110	$256	$60	$426	$256	$0		$2.67	$259	$0
$110	$262	$60	$432	$262	$0		$2.67	$265	$0

				Val
Present Value of Benefits	**$3,625**	**Present ue of Costs**	**$2,415**	
		Ben/Cost lio	**1.50**	efit Rat

RIM Test and Participants Test Results

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Retention Program

RIM Test and Participants Test Results

For

Cooking Appliances

Chesapeake Utilities Corporation Florida Division - Energy onservation Filing 2006 Cc
Residential Appliance Retention Progm rai
Participants Test - Cost Effective Rests ul

Appliance Type
Cooking

	Benefits				Costs								
Year Number	Avoided Electric KWH Cost	Gas Rebate	Avoided Electric Appliance O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	Gappliance & M	Gas Supply Cost	Gas Energy Charge	Gas Customeras A Charge	O	TOTAL COSTS
	Table 1								Table 2	Table 3	Table 4		
2	3	4	5	3 thru 6	7	8	9	10	11	12	13		7 thru 13
1	$147	$100	$36	**$283**	$449	($574)	$200	$36	$46	$31	$17	$	**$205**
2	$149	0	$37	**$186**	0	0	0	$37	$46	$31	$17	$	**$131**
3	$151	0	$38	**$189**	0	0	0	$38	$46	$32	$17	$	**$133**
4	$153	0	$39	**$191**	0	0	0	$39	$46	$33	$17	$	**$135**
5	$155	0	$40	**$194**	0	0	0	$40	$46	$34	$17	$	**$136**
6	$157	0	$41	**$197**	0	0	0	$41	$46	$34	$17	$	**$138**
7	$159	0	$42	**$200**	0	0	0	$42	$46	$35	$17	$	**$140**
8	$161	0	$43	**$203**	0	0	0	$43	$46	$36	$17	$	**$142**
9	$163	0	$44	**$206**	0	0	0	$44	$46	$37	$17	$	**$144**
10	$165	0	$45	**$209**	0	0	0	$45	$46	$38	$17	$	**$146**
11	$166	0	$46	**$212**	0	0	0	$46	$46	$39	$17	$	**$148**
12	$168	0	$47	**$215**	0	0	0	$47	$46	$40	$17	$	**$150**
13	$170	0	$48	**$218**	0	0	0	$48	$46	$41	$17	$	**$152**
14	$172	100	$49	**$321**	626	(800)	279	$49	$46	$42	$17	$	**$258**
15	$174	0	$50	**$224**	0	0	0	$50	$46	$43	$17	$	**$156**
16	$176	0	$51	**$228**	0	0	0	$51	$46	$44	$17	$	**$158**
17	$178	0	$53	**$231**	0	0	0	$53	$46	$45	$17	$	**$160**
18	$180	0	$54	**$234**	0	0	0	$54	$46	$46	$17	$	**$163**
19	$182	0	$55	**$237**	0	0	0	$55	$46	$47	$17	$	**$165**
20	$184	0	$56	**$240**	0	0	0	$56	$46	$48	$17	$	**$168**

Present Value of Benefits	$2,126

Present Value of Costs	$1,504

Benefit/Cost Ratio	1.41

Chesapeake Utilities Corporation Florida Division - Energy Conservationng 2006
Residential Appliance Retention Program
Participants Test - Data

Fili

e Type
ing

E O E	Fuel rates	2.4%

CWH Cost - Table 1		
Annual KWH	Tax Rate	Electric Cost
C	D	B*C*(1+D)
1,310	10.00%	$147
1,310	10.00%	$149
1,310	10.00%	$151
1,310	10.00%	$153
1,310	10.00%	$155
1,310	10.00%	$157
1,310	10.00%	$159
1,310	10.00%	$161
1,310	10.00%	$163
1,310	10.00%	$165
1,310	10.00%	$166
1,310	10.00%	$168
1,310	10.00%	$170
1,310	10.00%	$172
1,310	10.00%	$174
1,310	10.00%	$176
1,310	10.00%	$178
1,310	10.00%	$180
1,310	10.00%	$182
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	$0.9382	45	10.00%	$46
2008	$0.9382	45	10.00%	$46
2009	$0.9382	45	10.00%	$46
2010	$0.9382	45	10.00%	$46
2011	$0.9382	45	10.00%	$46
2012	$0.9382	45	10.00%	$46
2013	$0.9382	45	10.00%	$46
2014	$0.9382	45	10.00%	$46
2015	$0.9382	45	10.00%	$46
2016	$0.9382	45	10.00%	$46
2017	$0.9382	45	10.00%	$46
2018	$0.9382	45	10.00%	$46
2019	$0.9382	45	10.00%	$46
2020	$0.9382	45	10.00%	$46
2021	$0.9382	45	10.00%	$46
2022	$0.9382	45	10.00%	$46
2023	$0.9382	45	10.00%	$46
2024	$0.9382	45	10.00%	$46
2025	$0.9382	45	10.00%	$46

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	Ratio - Appliance to Total	Tax R	Pro-Rated Customer Charge
A	B	C	D	E	D/E	G	C*(D/E)*(1+Z)
2006	$12.50	$150.00	45	443	10.16%	10.0	$17
2007	$12.50	$150.00	45	443	10.16%	10.0	$17
2008	$12.50	$150.00	45	443	10.16%	10.0	$17
2009	$12.50	$150.00	45	443	10.16%	10.0	$17
2010	$12.50	$150.00	45	443	10.16%	10.0	$17
2011	$12.50	$150.00	45	443	10.16%	10.0	$17
2012	$12.50	$150.00	45	443	10.16%	10.0	$17
2013	$12.50	$150.00	45	443	10.16%	10.0	$17
2014	$12.50	$150.00	45	443	10.16%	10.0	$17
2015	$12.50	$150.00	45	443	10.16%	10.0	$17
2016	$12.50	$150.00	45	443	10.16%	10.0	$17
2017	$12.50	$150.00	45	443	10.16%	10.0	$17
2018	$12.50	$150.00	45	443	10.16%	10.0	$17
2019	$12.50	$150.00	45	443	10.16%	10.0	$17
2020	$12.50	$150.00	45	443	10.16%	10.0	$17
2021	$12.50	$150.00	45	443	10.16%	10.0	$17
2022	$12.50	$150.00	45	443	10.16%	10.0	$17
2023	$12.50	$150.00	45	443	10.16%	10.0	$17
2024	$12.50	$150.00	45	443	10.16%	10.0	$17
2025	$12.50	$150.00	45	443	10.16%	10.0	$17

peake Utilities Corporation Florida Division - Energy Conservation Filing 2006

Residential Appliance Retention Program

RIM Test - Results

ce Type

Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Revenue Cust. Charge	**Total Gas Revenue**	Gas Supply Cost	Investment Carrying Costs	Incremen Custome 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
$28	$42	$15	$85	$42	$0	$0	$100.68	$143
$28	$43	$15	$86	$43	$0	$0	$0.68	$44
$28	$44	$15	$87	$44	$0	$0	$0.68	$45
$28	$45	$15	$88	$45	$0	$0	$0.68	$46
$28	$46	$15	$89	$46	$0	$0	$0.68	$47
$28	$48	$15	$91	$48	$0	$0	$0.68	$48
$28	$49	$15	$92	$49	$0	$0	$0.68	$49
$28	$50	$15	$93	$50	$0	$0	$0.68	$51
$28	$51	$15	$94	$51	$0	$0	$0.68	$52
$28	$52	$15	$95	$52	$0	$0	$0.68	$53
$28	$54	$15	$97	$54	$0	$0	$0.68	$54
$28	$55	$15	$98	$55	$0	$0	$0.68	$55
$28	$56	$15	$99	$56	$0	$0	$0.68	$57
$28	$57	$15	$100	$57	$0	$0	$100.68	$158
$28	$59	$15	$102	$59	$0	$0	$0.68	$60
$28	$60	$15	$103	$60	$0	$0	$0.68	$61
$28	$62	$15	$105	$62	$0	$0	$0.68	$62
$28	$63	$15	$106	$63	$0	$0	$0.68	$64
$28	$65	$15	$108	$65	$0	$0	$0.68	$65
$28	$66	$15	$109	$66	$0	$0	$0.68	$67

Present Value of Benefits	**$916**
Present Value of Costs	**$627**
Benefit/C Ratio	**1.46**

Residential Appliance Retention Program
RIM Test - Calculated Data

Fuel Rate	2.4%
Gas Ener	0%
Gas Custr	0%
O&M Esc	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

1 2*3	
YearCharge	
200628	
200728	
200828	
200928	
201028	
201128	
201228	
201328	
201428	
201528	
201628	
201728	
201828	
201928	
202028	
202128	
202228	
202328	
202428	
202528	

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	45	$0.9382	$42
2007	45	$0.9607	$43
2008	45	$0.9838	$44
2009	45	$1.0074	$45
2010	45	$1.0316	$46
2011	45	$1.0563	$48
2012	45	$1.0817	$49
2013	45	$1.1076	$50
2014	45	$1.1342	$51
2015	45	$1.1614	$52
2016	45	$1.1893	$54
2017	45	$1.2179	$55
2018	45	$1.2471	$56
2019	45	$1.2770	$57
2020	45	$1.3077	$59
2021	45	$1.3390	$60
2022	45	$1.3712	$62
2023	45	$1.4041	$63
2024	45	$1.4378	$65
2025	45	$1.4723	$66

Table 2

Revenue - Customharge				
1	2	3	4	4*3
Year	Monthly Customer Charge	Annual Charge	lo Therms Custom/o Total nsumed	Prorated Annual Customer Charge
2006	$12.50	$150.00	10.16%	$15
2007	$12.50	$150.00	10.16%	$15
2008	$12.50	$150.00	10.16%	$15
2009	$12.50	$150.00	10.16%	$15
2010	$12.50	$150.00	10.16%	$15
2011	$12.50	$150.00	10.16%	$15
2012	$12.50	$150.00	10.16%	$15
2013	$12.50	$150.00	10.16%	$15
2014	$12.50	$150.00	10.16%	$15
2015	$12.50	$150.00	10.16%	$15
2016	$12.50	$150.00	10.16%	$15
2017	$12.50	$150.00	10.16%	$15
2018	$12.50	$150.00	10.16%	$15
2019	$12.50	$150.00	10.16%	$15
2020	$12.50	$150.00	10.16%	$15
2021	$12.50	$150.00	10.16%	$15
2022	$12.50	$150.00	10.16%	$15
2023	$12.50	$150.00	10.16%	$15
2024	$12.50	$150.00	10.16%	$15
2025	$12.50	$150.00	10.16%	$15

ner C

Rat	
er 1	
	C

Table 3

Investment Carrying Costs					
1 4	5	6	7	8	6*7*8
rvice Yearline	Meter	Total Investment	Cost of Debt	Ratio of Therms Consumed To Total	Investment Carrying Cost
200650	$0	$0	8.60%	10.16%	$0
200750	$0	$0	8.60%	10.16%	$0
200850	$0	$0	8.60%	10.16%	$0
200950	$0	$0	8.60%	10.16%	$0
201050	$0	$0	8.60%	10.16%	$0
201150	$0	$0	8.60%	10.16%	$0
201250	$0	$0	8.60%	10.16%	$0
201350	$0	$0	8.60%	10.16%	$0
201450	$0	$0	8.60%	10.16%	$0
201550	$0	$0	8.60%	10.16%	$0
201650	$0	$0	8.60%	10.16%	$0
201750	$0	$0	8.60%	10.16%	$0
201850	$0	$0	8.60%	10.16%	$0
201950	$0	$0	8.60%	10.16%	$0
202050	$0	$0	8.60%	10.16%	$0
202150	$0	$0	8.60%	10.16%	$0
202250	$0	$0	8.60%	10.16%	$0
202350	$0	$0	8.60%	10.16%	$0
202450	$0	$0	8.60%	10.16%	$0
202550	$0	$0	8.60%	10.16%	$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 Total Consume	Tnual Ratio &M Cost	Total Incremental Adm. & O&M Cost
2006	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2007	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2008	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2009	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2010	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2011	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2012	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2013	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2014	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2015	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2016	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2017	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2018	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2019	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2020	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2021	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2022	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2023	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2024	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0
2025	$0.00	$0	10.16%	$0	$0	10.16%	$0	$0

Table 5

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supplie Rate d	An Gas Supply O Cost
2006	45	0.9382	$42
2007	45	$0.9607	$43
2008	45	$0.9838	$44
2009	45	$1.0074	$45
2010	45	$1.0316	$46
2011	45	$1.0563	$48
2012	45	$1.0817	$49
2013	45	$1.1076	$50
2014	45	$1.1342	$51
2015	45	$1.1614	$52
2016	45	$1.1893	$54
2017	45	$1.2179	$55
2018	45	$1.2471	$56
2019	45	$1.2770	$57
2020	45	$1.3077	$59
2021	45	$1.3390	$60
2022	45	$1.3712	$62
2023	45	$1.4041	$63
2024	45	$1.4378	$65
2025	45	$1.4723	$66

Residential Appliance Retention Program

Exhibit A

Chesapeake Utilities Corporation Florida Division
Energy Conservation Program
December, 2006

Residential Appliance Retention Program
RIM Test and Participants Test Results

For

Clothes Drying Appliances

Chesapeake Utilities Corporation Florida Division - Energy (nservation Filing 2006 Co
Residential Appliance Retention Progm an
Participants Test - Cost Effective Ress ult

Appliance Type
Clothes Drying

	Benefits				Costs							C
Year Number	Avoided Electric KWH Cost	Gas Rebate	Avoided Electric Appliance O&M	TOTAL BENEFITS	Gas Equipment Cost	Electric Equipment & Installation Cost	Gas Installation Cost	(Appliance) & M	Gas Supply Cost	Gas Energy Charge	Gas Customer Charge	Gas (TOTAL COSTS
	Table 1								Table 2	Table 3	Table 4	
2	3	4	5	3 thru 6	7	8	9	10	11	12	13	7 thru 13
1	$164	$100	$36	**$300**	$379	($454)	$150	$36	$52	$34	$19	**$215**
2	$167	0	$37	**$203**	0	0	0	$37	$53	$34	$19	**$142**
3	$169	0	$38	**$207**	0	0	0	$38	$54	$34	$19	**$144**
4	$171	0	$39	**$210**	0	0	0	$39	$55	$34	$19	**$147**
5	$173	0	$40	**$213**	0	0	0	$40	$57	$34	$19	**$149**
6	$175	0	$41	**$216**	0	0	0	$41	$58	$34	$19	**$151**
7	$177	0	$42	**$219**	0	0	0	$42	$59	$34	$19	**$154**
8	$180	0	$43	**$222**	0	0	0	$43	$61	$34	$19	**$156**
9	$182	0	$44	**$225**	0	0	0	$44	$62	$34	$19	**$158**
10	$184	0	$45	**$229**	0	0	0	$45	$64	$34	$19	**$161**
11	$186	0	$46	**$232**	0	0	0	$46	$65	$34	$19	**$164**
12	$188	0	$47	**$235**	0	0	0	$47	$67	$34	$19	**$166**
13	$191	100	$48	**$338**	516	(618)	204	$48	$69	$34	$19	**$271**
14	$193	0	$49	**$242**	0	0	0	$49	$70	$34	$19	**$172**
15	$195	0	$50	**$245**	0	0	0	$50	$72	$34	$19	**$175**
16	$197	0	$51	**$248**	0	0	0	$51	$74	$34	$19	**$178**
17	$199	0	$53	**$252**	0	0	0	$53	$75	$34	$19	**$181**
18	$201	0	$54	**$255**	0	0	0	$54	$77	$34	$19	**$184**
19	$204	0	$55	**$259**	0	0	0	$55	$79	$34	$19	**$187**
20	$206	0	$56	**$262**	0	0	0	$56	$81	$34	$19	**$190**

Present Value of Benefits	$2,315

Present Value of Costs	$1,648

Benefit/Cost Ratio	1.40

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

e Type
Drying

E C E	Fuel Rates	2.4%

KWH Cost - Table 1		
Annual KWH	Tax Rate	Electric Cost
C	D	B*C*(1+D)
1,465	10.00%	$164
1,465	10.00%	$167
1,465	10.00%	$169
1,465	10.00%	$171
1,465	10.00%	$173
1,465	10.00%	$175
1,465	10.00%	$177
1,465	10.00%	$180
1,465	10.00%	$182
1,465	10.00%	$184
1,465	10.00%	$186
1,465	10.00%	$188
1,465	10.00%	$191
1,465	10.00%	$193
1,465	10.00%	$195
1,465	10.00%	$197
1,465	10.00%	$199
1,465	10.00%	$201
1,465	10.00%	$204
1,465	10.00%	$206

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	50	10.00%	$52
2007	$0.9607	50	10.00%	$53
2008	$0.9838	50	10.00%	$54
2009	$1.0074	50	10.00%	$55
2010	$1.0316	50	10.00%	$57
2011	$1.0563	50	10.00%	$58
2012	$1.0817	50	10.00%	$59
2013	$1.1076	50	10.00%	$61
2014	$1.1342	50	10.00%	$62
2015	$1.1614	50	10.00%	$64
2016	$1.1893	50	10.00%	$65
2017	$1.2179	50	10.00%	$67
2018	$1.2471	50	10.00%	$69
2019	$1.2770	50	10.00%	$70
2020	$1.3077	50	10.00%	$72
2021	$1.3390	50	10.00%	$74
2022	$1.3712	50	10.00%	$75
2023	$1.4041	50	10.00%	$77
2024	$1.4378	50	10.00%	$79
2025	$1.4723	50	10.00%	$81

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	50	10.00%	$34
2007	$0.6175	50	10.00%	$34
2008	$0.6175	50	10.00%	$34
2009	$0.6175	50	10.00%	$34
2010	$0.6175	50	10.00%	$34
2011	$0.6175	50	10.00%	$34
2012	$0.6175	50	10.00%	$34
2013	$0.6175	50	10.00%	$34
2014	$0.6175	50	10.00%	$34
2015	$0.6175	50	10.00%	$34
2016	$0.6175	50	10.00%	$34
2017	$0.6175	50	10.00%	$34
2018	$0.6175	50	10.00%	$34
2019	$0.6175	50	10.00%	$34
2020	$0.6175	50	10.00%	$34
2021	$0.6175	50	10.00%	$34
2022	$0.6175	50	10.00%	$34
2023	$0.6175	50	10.00%	$34
2024	$0.6175	50	10.00%	$34
2025	$0.6175	50	10.00%	$34

Gas Customer Charge - Table 4						
Year	Monthly Customer Charge	Annual Customer Charge	Appliance Annual Therms	Total Annual Therms	Ratio - Appliance to Total	T
A	B	C	D	E	D/E	
2006	$13	$150.00	50	443	11.29%	
2007	$12.50	$150.00	50	443	11.29%	
2008	$12.50	$150.00	50	443	11.29%	
2009	$12.50	$150.00	50	443	11.29%	
2010	$12.50	$150.00	50	443	11.29%	
2011	$12.50	$150.00	50	443	11.29%	
2012	$12.50	$150.00	50	443	11.29%	
2013	$12.50	$150.00	50	443	11.29%	
2014	$12.50	$150.00	50	443	11.29%	
2015	$12.50	$150.00	50	443	11.29%	
2016	$12.50	$150.00	50	443	11.29%	
2017	$12.50	$150.00	50	443	11.29%	
2018	$12.50	$150.00	50	443	11.29%	
2019	$12.50	$150.00	50	443	11.29%	
2020	$12.50	$150.00	50	443	11.29%	
2021	$12.50	$150.00	50	443	11.29%	
2022	$12.50	$150.00	50	443	11.29%	
2023	$12.50	$150.00	50	443	11.29%	
2024	$12.50	$150.00	50	443	11.29%	
2025	$12.50	$150.00	50	443	11.29%	

le	Pre-Rated Customer Charge
	C*(D/E)*(1+Z)
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19
%	$19

C Utilities Corporation Florida Division - Energy Conservatin Filing 2006 or
Residential Appliance Retention Program
RIM Test - Results

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al / ırge	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 1A	**Table 2**		**Table 5**	**Table 3**	**Table 4**		
	3	4	2 thru 4	6	7	8	9	6 thru 9
2(	$47	$17	$95	$47	$0	$0	$100.75	$148
2(	$48	$17	$96	$48	$0	$0	$0.75	$49
2(	$49	$17	$97	$49	$0	$0	$0.75	$50
2(	$50	$17	$98	$50	$0	$0	$0.75	$51
2(	$52	$17	$99	$52	$0	$0	$0.75	$52
2(	$53	$17	$101	$53	$0	$0	$0.75	$54
2(	$54	$17	$102	$54	$0	$0	$0.75	$55
2(	$55	$17	$103	$55	$0	$0	$0.75	$56
2(	$57	$17	$105	$57	$0	$0	$0.75	$57
2(	$58	$17	$106	$58	$0	$0	$0.75	$59
2	$59	$17	$107	$59	$0	$0	$0.75	$60
2	$61	$17	$109	$61	$0	$0	$0.75	$62
2	$62	$17	$110	$62	$0	$0	$100.75	$163
2	$64	$17	$112	$64	$0	$0	$0.75	$65
2	$65	$17	$113	$65	$0	$0	$0.75	$66
2	$67	$17	$115	$67	$0	$0	$0.75	$68
2	$69	$17	$116	$69	$0	$0	$0.75	$69
2	$70	$17	$118	$70	$0	$0	$0.75	$71
2	$72	$17	$120	$72	$0	$0	$0.75	$73
2	$74	$17	$121	$74	$0	$0	$0.75	$74

Present Value of Benefits	**$1,018**
Present Value of Costs	**$686**
Benefit/Cost Ratio	**1.49**

Chesapeake Utilities Corporation Florida Division - Energy Conservation Fili(006
Residential Appliance Retention Program
RIM Test - Calculated Data

Fuel Rate	2.4%
Gas Ener	0%
Gas Custc	0%
O&M Esc	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

1 2*3
YearCharge
200631
200731
200831
200931
201031
201131
201231
201331
201431
201531
201631
201731
201831
201931
202031
202131
202231
202331
202431
202531

Table 1a

Revenue - Cost of Gas			
1	2	4	2*3
Year	Therms	Fuel Rate	Total Charge
2006	50	$0.9382	$47
2007	50	$0.9607	$48
2008	50	$0.9838	$49
2009	50	$1.0074	$50
2010	50	$1.0316	$52
2011	50	$1.0563	$53
2012	50	$1.0817	$54
2013	50	$1.1076	$55
2014	50	$1.1342	$57
2015	50	$1.1614	$58
2016	50	$1.1893	$59
2017	50	$1.2179	$61
2018	50	$1.2471	$62
2019	50	$1.2770	$64
2020	50	$1.3077	$65
2021	50	$1.3390	$67
2022	50	$1.3712	$69
2023	50	$1.4041	$70
2024	50	$1.4378	$72
2025	50	$1.4723	$74

Table 2

Revenue - Cusr Charge				
1	2	3	4	4*3
Year	Monthly Customer Charge	Annual Cust Charge	Ratio Therms To Total Consumed	Prorated Annual Customer Charge
2006	$12.50	$150.00	11.29%	$17
2007	$12.50	$150.00	11.29%	$17
2008	$12.50	$150.00	11.29%	$17
2009	$12.50	$150.00	11.29%	$17
2010	$12.50	$150.00	11.29%	$17
2011	$12.50	$150.00	11.29%	$17
2012	$12.50	$150.00	11.29%	$17
2013	$12.50	$150.00	11.29%	$17
2014	$12.50	$150.00	11.29%	$17
2015	$12.50	$150.00	11.29%	$17
2016	$12.50	$150.00	11.29%	$17
2017	$12.50	$150.0C	11.29%	$17
2018	$12.50	$150.00	11.29%	$17
2019	$12.50	$150.00	11.29%	$17
2020	$12.50	$150.0C	11.29%	$17
2021	$12.50	$150.0C	11.29%	$17
2022	$12.50	$150.0C	11.29%	$17
2023	$12.50	$150.0C	11.29%	$17
2024	$12.50	$150.0C	11.29%	$17
2025	$12.50	$150.0C	11.29%	$17

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Table 3

Investment Carrying Costs						
1	4	5	6	7	8	6*7*8
Yea	rvice Line	Meter	Total Investment	Cost of Debt	Ratio of Therms Consumed To Total	Investment Carrying Cost
200(	$0	$0	$0	8.60%	11.29%	$0
2007	$0	$0	$0	8.60%	11.29%	$0
200(	$0	$0	$0	8.60%	11.29%	$0
200(	$0	$0	$0	8.60%	11.29%	$0
201(	$0	$0	$0	8.60%	11.29%	$0
201	$0	$0	$0	8.60%	11.29%	$0
201;	$0	$0	$0	8.60%	11.29%	$0
201;	$0	$0	$0	8.60%	11.29%	$0
201.	$0	$0	$0	8.60%	11.29%	$0
201!	$0	$0	$0	8.60%	11.29%	$0
201(	$0	$0	$0	8.60%	11.29%	$0
201	$0	$0	$0	8.60%	11.29%	$0
201;	$0	$0	$0	8.60%	11.29%	$0
201!	$0	$0	$0	8.60%	11.29%	$0
202(	$0	$0	$0	8.60%	11.29%	$0
202	$0	$0	$0	8.60%	11.29%	$0
202	$0	$0	$0	8.60%	11.29%	$0
202	$0	$0	$0	8.60%	11.29%	$0
202	$0	$0	$0	8.60%	11.29%	$0
202	$0	$0	$0	8.60%	11.29%	$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 Therm Total Consu	Annual Ratio O&M Cost	Total Incremental Adm. & O&M Cost
2006	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2007	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2008	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2009	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2010	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2011	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2012	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2013	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2014	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2015	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2016	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2017	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2018	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2019	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2020	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2021	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2022	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2023	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2024	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0
2025	$0.00	$0	11.29%	$0	$0	11.29%	$0	$0

Table 5

Gas Costs			
1	2	[illegible]	2*3
Year	Therms	Gas Ss To Ramed	Gas Supply Cost
2006	50	0.9	$47
2007	50	$0.9	$48
2008	50	$0.9	$49
2009	50	$1.0	$50
2010	50	$1.0	$52
2011	50	$1.0	$53
2012	50	$1.0	$54
2013	50	$1.1	$55
2014	50	$1.1	$57
2015	50	$1.1	$58
2016	50	$1.1	$59
2017	50	$1.2	$61
2018	50	$1.2	$62
2019	50	$1.2	$64
2020	50	$1.3	$65
2021	50	$1.3	$67
2022	50	$1.3	$69
2023	50	$1.4	$70
2024	50	$1.4	$72
2025	50	$1.4	$74