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May 26, 2026

VIA E-PORTAL

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

Re: Docket No. 20260063-EG – Joint petition for approval of updates to residential conservation programs, by Florida Public Utilities Company and Florida City Gas.

Dear Mr. Teitzman:

Attached for electronic filing on behalf of Florida Public Utilities Company and Florida City Gas, please find the Companies' responses to staff's first data requests in the referenced docket.

Should you have any questions whatsoever, please do not hesitate to contact me. Thank you for your assistance in this matter.

Sincerely,

Beth Keating

Beth Keating
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Re: Docket No. 20260063- EG - Joint petition for approval of updates to residential conservation programs, by Florida Public Utilities Company and Florida City Gas.

FLORIDA PUBLIC UTILITIES COMPANY'S AND FLORIDA CITY GAS'S RESPONSES TO STAFF'S FIRST DATA REQUESTS

1. Residential Customer Survey Program: Refer to paragraph 8 of the Companies' joint petition regarding the proposed modifications to the existing Residential Customer Survey program.

a. Please identify and describe any changes to the Efficiency First program from the version approved by the Commission in Order No. PSC-2025- 0091- PAA- EG. For each change identified, provide a detailed explanation of the reason for the modification.

FPUC/FCG Response:

The proposed Residential Customer Survey Program does not modify the approved Efficiency First program for FPUC's electric division under Order No. PSC-2025-0091-PAA-EG but instead adopts a similar customer-engagement framework for natural gas customers. The primary changes are fuel-specific in nature, including targeting residential natural gas customers rather than electric customers, focusing on natural gas end uses and conservation opportunities, measuring savings in therms rather than kWh or kW, and utilizing gas-focused educational materials, survey content, and conservation measures. Any weatherization or conservation kits would likewise be tailored toward natural gas conservation opportunities and household energy efficiency improvements appropriate for gas customers, while leveraging an already approved and operational customer engagement model.

b. Detail the program's participation standards and eligibility requirements.

FPUC/FCG Response:

FPUC and FCG residential natural gas customers would be eligible to participate in the proposed Residential Customer Survey Program if they meet the following criteria:

- Participant is an active residential natural gas customer served by FPUC or FCG within the Companies' service territories;

• Participant completes the residential survey or similar customer intake process designed to identify household characteristics, natural gas end uses, and potential conservation opportunities; and
• Participation remains subject to program funding availability, kit availability, prior participation limitations, and any other applicable program requirements established by the Companies.

c. Identify the Companies' projected year-to-year participation level for the program for each year from 2026 to 2032.

FPUC/FCG Response:

The Companies project annual participation levels for the proposed Residential Customer Survey Program to begin in 2027 with approximately 150 participants, with projected participation increasing by approximately 50 customers annually as program awareness, contractor familiarity, and customer engagement expand during implementation. Based on current planning assumptions, projected participation is estimated at approximately 150 participants in 2027, 200 participants in 2028, 250 participants in 2029, 300 participants in 2030, and 350 participants in 2031, for an estimated cumulative total of approximately 1,250 participants over the initial five-year program period.

d. Provide the annual projected costs and rate impacts of the program including any associated administrative costs.

FPUC/FCG Response:

Based on historical ECCR conservation cost schedules filed by the Companies, the Residential Conservation Survey program has historically reflected annual budget allocations ranging from approximately $2,500 to $35,000 over the last three years, and the Companies currently anticipate projected program costs for the proposed natural gas Residential Customer Survey Program to fall toward the higher end of this historical range during initial implementation. The Companies do not currently expect the program to create a material upward impact on ECCR recovery requirements, as substantial portions of the administrative, survey, vendor coordination, customer engagement, tracking, and implementation infrastructure have already been developed through existing conservation program operations. Accordingly, the primary incremental costs are expected to relate primarily to fixed per-unit weatherization kit and fulfillment expenses associated with expanded gas-specific conservation offerings rather than broader startup or platform development costs. The Companies anticipate utilizing existing conservation budget capacity and program resources to support initial 2027 implementation, which is expected to serve as the benchmark year for evaluating future participation levels and whether revised projections or program expansion may be appropriate in subsequent years based on actual program utilization and customer participation trends.

e. Provide an estimated cost of each weatherization kit and Smart Home energy kit.

FPUC/FCG Response:

FPUC/FCG has requested supplemental cost information related to the development of a two-tiered weatherization and Smart Home energy kit structure intended to operate in a manner generally consistent with the existing electric residential survey framework. Under the proposed structure, Tier 1 would consist of a basic weatherization kit provided upon completion of an online residential energy survey, with the estimated kit cost anticipated to be approximately $60.16 per participant. Tier 2 would consist of a higher-value Smart Home and behavioral energy package, including smart thermostat-related technologies and enhanced conservation measures, which would be earned by the customer through participation in the residential survey and associated program engagement process. The estimated cost of the Tier 2 package is anticipated to be approximately $121.92 per participant and remains contingent upon final kit composition and pricing.

2. Efficiency For All Program: Refer to paragraphs 10 through 12 of the Companies' joint petition regarding the proposed Efficiency For All programs .

a. Please identify and describe any changes to the Efficiency For All program from the version approved by the Commission in Order No. PSC-2025- 0091- PAA- EG. For each change identified, provide a detailed explanation of the reason for the modification.

FPUC/FCG Response:

The proposed Efficiency For All program for FPUC/FCG's natural gas divisions will remain substantially consistent with the version previously approved by the Commission in Order No. PSC-2025-0091-PAA-EG for the Companies' electric operations, with the primary modification being adjustments to the conservation kit contents and installed measures to better align with residential natural gas conservation opportunities associated with space heating, water heating, cooking, and clothes drying. The overall program structure, pilot-style implementation approach, and coordinated community participation model will remain unchanged, including the Companies' practice of identifying participating communities or organizations and utilizing an implementation contractor to conduct coordinated "blitz-style" installations over a defined installation period. The program will also continue utilizing third-party kit content providers and installation contractors under the same general operational framework previously approved by the Commission, with modifications limited primarily to the gas-specific conservation technologies and measures included within the program offerings.

b. Detail the program's participation standards and eligibility requirements.

FPUC/FCG Response:

Participation in the Efficiency For All program will continue to be limited to qualifying residential customers located within approved participating communities, multifamily properties, or partner organizations coordinated through the Companies and their implementation contractor. Eligibility and participation standards will remain substantially consistent with the currently approved pilot framework, including coordinated scheduling and installation activities conducted during designated community participation periods. Customers receiving services through the program will receive qualifying conservation measures, weatherization items, and customer education materials designed to support residential natural gas conservation objectives associated with space heating, water heating, cooking, and clothes drying, subject to program availability and funding limitations.

c. Identify the Companies' projected year-to-year participation level for the program for each year from 2026 to 2032.

FPUC/FCG Response:

The Companies anticipate a phased implementation approach for the proposed Efficiency For All program beginning in 2027, with an initial projected participation level of approximately 100 participating residential customers during the first program year. Based upon the Companies' anticipated expansion of participating communities, contractor coordination efforts, and broader program awareness over time, participation is projected to increase by approximately 50 additional participants annually over the subsequent five program years. Accordingly, the Companies currently project participation levels of approximately 100 participants in 2027, 150 participants in 2028, 200 participants in 2029, 250 participants in 2030, 300 participants in 2031, and 350 participants in 2032. These projections are preliminary in nature and may be adjusted based upon actual program participation, community engagement opportunities, implementation experience, and future program evaluations.

d. Provide the annual projected costs and rate impacts of the program including any associated administrative costs.

FPUC/FCG Response:

The proposed Efficiency For All program would represent a new conservation offering for the Companies and is currently anticipated to result in incremental annual program and administrative costs in the approximate range of $35,000 to $45,000 during initial implementation years. Relative to the Companies' currently approved consolidated annual conservation program costs of approximately $11.5 million in 2025 and $13.1 million in 2026, the projected incremental costs are anticipated to represent less than one-half of one percent of overall conservation portfolio costs. Accordingly, while the program may result in a minor incremental ECCR impact, the Companies currently anticipate such impacts to remain immaterial while providing additional residential conservation opportunities for participating natural gas customers. Primary incremental costs are expected to relate principally to weatherization kit fulfillment and installation expenses, as substantial portions of the administrative and implementation infrastructure have already been established through existing conservation program operations.

3. Tankless Water Heater Rebate: Refer to the cost -effectiveness analyses of the Gas Tankless Water Heater rebate.

a. In its Participant Test calculation, the companies assumed $0 installation cost for both the gas and electric units. However, in Exhibits B and D to the joint petitions, the Tankless Water Heating installation cost is estimated at $1,419 for gas and $594 for electric. Please explain this discrepancy.

FPUC/FCG Response:

The discrepancy resulted from a workbook reference issue within the cost-effectiveness model associated with the Tankless Water Heater analysis. Although the tankless option was selected within the workbook assumptions, certain formula references continued pulling standard tank water heater comparison assumptions rather than the intended tankless gas and electric installation cost data reflected in Exhibits B and D. The workbook references were revised to correctly pull the applicable tankless installation cost assumptions of approximately $1,419 for the gas unit and $594 for the electric comparison unit, and the revised analyses were subsequently re-run. As reflected in the Companies' revised response to Question 3(c), the correction did not materially impact the overall cost-effectiveness conclusions associated with the proposed measure.

b. Why does the tankless water heater have an average life specified as 15 years in the Water Heating calculations, but the EIA report has the average life reported as 20 years in the Equipment Summary?

FPUC/FCG Response:

The Companies relied on the Florida Solar Energy Center's cost-effectiveness model and supporting technical report for the foundational building science and equipment life assumptions used in the workbook. FSEC's report identifies the Equipment Summary tab as the location for appliance life expectancy inputs and explains that these values are used to determine when future replacement costs are applied. For the tankless water heater measure, the Equipment Summary reflects a 20-year life for both the gas and electric tankless water heater assumptions. The Companies determined that the 15-year value reflected in the Water Heating calculations resulted from the workbook formula inadvertently pulling assumptions associated with the standard tank water heater pathway rather than the intended tankless water heater pathway. The workbook references were corrected to properly pull the tankless assumptions, including the corresponding installation cost and equipment life inputs, and the revised analyses were re-run accordingly. The updated results and supporting details are reflected within the Companies' response to Question 3(c). The correction did not materially impact the overall cost-effectiveness conclusions associated with the proposed measure.

c. Provide a revised Participant Test and G -RIM calculation with the proper installation costs.

FPUC/FCG Response:

The revised Participant Test and G-RIM calculations were updated to correct a workbook reference issue associated with the Tankless Water Heater analysis. Although the tankless option was selected, certain formula references continued pulling standard tank water heater comparison assumptions rather than the intended tankless gas and electric installation cost data. The workbook was revised to correct the installation cost and equipment life references, and the analyses were re-run using the corrected assumptions. As revised, the Participant Test resulted in a benefit-cost ratio of approximately 1.80 and the G-RIM Test resulted in a benefit-cost ratio of approximately 1.19, demonstrating that the corrected installation cost assumptions did not materially impact the overall cost-effectiveness conclusions for the measure. The revised results are reflected in the attached updated PDF file, Response to 3C_Updated GRIM + Participant Scores.

4. Gas Tank Water Heater Rebate: Please refer to the cost-effectiveness analyses of the Gas Tank Water Heater rebate.

a. In its Participant Test and G -RIM calculation, the analyses do not include installation of a replacement appliance despite the appliance having a less than 20-year life. Please explain this discrepancy.

FPUC/FCG Response:

The Companies determined that the replacement installation costs were already incorporated within the workbook calculation structure; however, the replacement trigger relied upon a decimal-based appliance life assumption of 14.5 years, which prevented the replacement-year logic from properly activating within the annual calculation sequence. To correct this issue, the appliance life assumption for the applicable water heating measures was revised from 14.5 years to 15 years, which allowed the workbook replacement formulas to properly trigger and incorporate the associated replacement equipment and installation costs within the Participant Test and G-RIM analyses. The revised Participant Test and G-RIM calculations have subsequently been re-run using the corrected replacement-year assumptions, and the updated results are reflected in the revised supporting workbook and summary outputs.

b. Provide a revised Participant Test and G -RIM calculation with the proper installation costs and installation of a replacement appliance.

FPUC/FCG Response:

In response to Staff's request, the Companies revised and re-ran the Participant Test and G-RIM analyses associated with the Water Heating – Tank measure using corrected replacement-year assumptions and updated replacement cost treatment within the workbook. As revised, the updated Participant Test resulted in a benefit-cost ratio of approximately 1.63 and the updated G-RIM Test resulted in a benefit-cost ratio of approximately 1.26. The revised analyses confirm that the proposed measure continues to satisfy the applicable cost-effectiveness screening requirements and remains cost-effective under the corrected assumptions.

5. Oven Range Rebate: Please refer to the cost-effectiveness analyses of the Oven Range rebate.

a. In its Participant Test, the analysis has a replacement after 15 years of life, not the 17 years listed for the appliance. Additionally, the rebate was not applied in the same year as the replacement installation. In its G-RIM calculation, the analysis does not indicate any replacement of the appliance through a rebate despite the appliance having a less than 20-year life. Please explain these discrepancies.

FPUC/FCG Response:

The Companies reviewed the Oven Range rebate cost-effectiveness workbook assumptions and determined that the replacement-year assumptions for both the gas and electric appliance pathways required adjustment to properly align with the intended replacement timing within the Participant Test and G-RIM analyses. The replacement-year assumptions were revised to 15 years for both the gas and electric measures, and the analyses were subsequently re-run using the corrected replacement timing assumptions. Following these revisions, the replacement equipment and installation costs properly flowed through the Participant Test calculations. The revised results are reflected in the Companies' response to Question 5(b).

b. Provide a revised Participant Test and G -RIM calculation with the proper installation dates for a replacement appliance.

FPUC/FCG Response:

In response to Staff's request, the Companies revised and re-ran the Participant Test and G-RIM analyses associated with the Oven Range rebate measure using corrected 15-year replacement assumptions for both the gas and electric appliance pathways. The revised analyses confirm that the applicable replacement equipment and installation costs are properly reflected in the Participant Test calculations, while the G-RIM calculations continue to reflect the appropriate utility cost treatment for the measure. The revised Participant Test and G-RIM results are provided in the updated supporting workbook and summary outputs.

6. High-Efficiency Water Heater Rebate: Please provide a Participant and G-RIM calculation with the ENERGYSTAR/High -Efficiency tank water heater.

FPUC/FCG Response:

In response to Staff's request, the Companies revised and re-ran the Participant Test and G-RIM analyses to reflect an ENERGY STAR/high-efficiency gas tank water heater assumption. The standard gas tank water heater analysis reflected annual consumption of approximately 152 therms. For the high-efficiency case, the Companies adjusted the annual gas consumption assumption to approximately 115 therms, reflecting the improved efficiency of a high-efficiency/ENERGY STAR gas tank water heater relative to the standard tank water heater baseline. The revised cost-effectiveness analyses were then re-run using the 115-therm annual consumption assumption. As revised, the Participant Test resulted in a benefit-cost ratio of approximately 1.93, and the G-RIM Test resulted in a benefit-cost ratio of approximately 1.29. The updated Participant Test and G-RIM summary outputs are provided in the supporting attachment.

7. Assumptions: Provide the source of the following estimates in the Assumptions tab provided for Exhibit B. If an equation was used, please elaborate on the equation. When reporting, please specify the appliance being referred to.

a. Residential Therm and kWh usage

FPUC/FCG Response:

The residential therm and kWh usage assumptions reflected in Exhibit B were developed using the methodology, source references, and calculation approaches documented within Exhibit C and the FSEC technical report included as Exhibit D. The assumptions and associated equations were derived from publicly available sources including the U.S. Energy Information Administration Residential Energy Consumption Survey ("RECS"), U.S. Department of Energy reference materials, utility rate inputs, and manufacturer technical specifications, as applicable to each appliance type, including water heating, cooking equipment, pool heating, furnace, clothes drying, and natural gas heat pump applications, with the associated assumptions, conversion factors, and workbook linkages identified within the supporting exhibits.

b. Equipment and Installation costs

FPUC/FCG Response:

The equipment and installation cost assumptions reflected in Exhibit B were developed using the methodology, utility cost inputs, and supporting assumptions documented within Exhibit C and the FSEC technical report included as Exhibit D. The underlying appliance, piping, venting, installation, meter, regulator, depreciation, and avoided electrical infrastructure cost assumptions are identified within the NG Cost Data, Assumptions, and Equipment Summary tabs of the workbook and were applied by appliance type and program category within the Participant Test and G-RIM analyses.

c. Administrative costs, specifically the Gas Facility O&M costs per Customer

FPUC/FCG Response:

The administrative cost assumptions, including Gas Facility O&M costs per customer, reflected in Exhibit B were developed using utility-specific administrative, operational, and energy conservation program cost information documented within Exhibit C and further described in the FSEC technical report included as Exhibit D. The associated assumptions and allocation methodologies were incorporated into the NG Cost Data and Assumptions tabs of the workbook and applied within the Participant Test and G-RIM analyses by applicable appliance type and program category.

8. Annual O&M Costs: Why are the annual O&M costs per appliance (Exhibit B, Assumptions, cells D51- D57 and E51- E57), currently set to $0? For a more accurate cost analysis, could this information be provided?

FPUC/FCG Response:

The annual appliance O&M cost inputs reflected in Exhibit B, Assumptions cells D51-D57 and E51-E57, were intentionally set to $0 as part of the baseline screening analysis because appliance-specific annual customer maintenance costs were not separately modeled within the Participant Test and G-RIM framework. Utility-side administrative and Gas Facility O&M costs were separately incorporated through the NG Cost Data and administrative cost assumptions documented within Exhibit C and the FSEC technical report included as Exhibit D. The Companies do not believe inclusion of nominal appliance-level annual maintenance costs would materially impact the comparative cost-effectiveness screening results, although the workbook structure allows such inputs to be modified if more granular appliance-specific maintenance assumptions are identified in future analyses.

9. Adjusted Value: When using equipment or installation costs estimates from previous years, i.e. from the 2023 EIA Buildings Sector Appliance and Equipment Costs and Efficiencies, how are the appliance costs in 2025 dollars estimated?

FPUC/FCG Response:

The appliance and installation cost assumptions reflected in Exhibit B were developed using the best reasonably available information accessible during the 2025 update process and are supported by the methodologies and source references documented within Exhibits C and D. As described in the FSEC technical report, the 2025 workbook update was built upon the prior FSEC economic assessment framework to preserve continuity of the established calculation structure and screening methodology while incorporating updated utility rates, appliance assumptions, energy usage estimates, and available equipment cost data, including applicable references from the 2023 EIA Buildings Sector Appliance and Equipment Costs and Efficiencies report. The Companies believe the resulting assumptions provide a reasonable and sufficiently current basis for the Participant Test and G-RIM analyses, while recognizing that the workbook structure allows future refinement of individual cost assumptions as updated market information becomes available.

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Gas:	Water Heating - Tank (1)	
Year:	2025	
CO2:	0.57 tonnes CO2/year	
Allowance:	$750	
Gas Utility:	Average	
I.	Installed Cost Data	
	Equipment	$629
	Installation	$1,414
	Total Customer Cost	$2,043
	Replacement Installation	$594
	Total Replacement (incl Equip)	$1,223
	Utility Rebate	$750
II.	Operating Data	
	Therms Consumed	115
	Total Building Therms	4,741
	O&M (excluding energy)	$18
III.	Rates and Charges	
	ECCR	$0.0952
	Distribution Charge	$0.5929
	Commodity Charge	$0.7300
	Taxes & Fees	2.50%
	Customer Chg	$18.84
	Average Life (years)	15
	Appliance Therms /Total Therms	2.4%
	EC Program Adm. Cost	$0.03
IV.	New Customer Installation Costs	
	Supply Main	$1,192
	Development Main	$2,700
	Service	$0
	Meter	$698
	Total	$4,590
V.	New Customer Admin. Cost $/month	$1.11

Elec:	Water Heating - Tank (1)	
CO2:	1.76 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	Electric Cost Data	
	Equipment	$669
	Installation	$594
	Breaker and Wiring Savings	$25
	Total Customer Cost	$1,288
VII.	Energy Conserved Data	
	Monthly Demand kW	0.0
	Annual kWh	2,462
	O&M (excluding energy)	$0
VIII.	Electric Rates and Charges	
	Electric Rate per kW	$0.00
	Electric Rate per kWh	$0.1589
	Electric Fuel rate	$0.0282
	Electric Base rate	$0.1307
	Electric Taxes & Fees	2.58%
	Customer Chg	$11.51
	Average Life in Yrs	15

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Water Heating - Tank (1)

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 1 - Electric KWH/KW Cost

Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthly Demand kW	Tax Rate	Electric Cost
A	B	C	D	E	F	(B*C+12*D*E)*(1+F)
2025	$0.1589	2,462	$0.00	0.00	2.6%	**$401**
2026	$0.1651	2,462	$0.00	0.00	2.6%	**$417**
2027	$0.1715	2,462	$0.00	0.00	2.6%	**$433**
2028	$0.1781	2,462	$0.00	0.00	2.6%	**$450**
2029	$0.1850	2,462	$0.00	0.00	2.6%	**$467**
2030	$0.1922	2,462	$0.00	0.00	2.6%	**$485**
2031	$0.1997	2,462	$0.00	0.00	2.6%	**$504**
2032	$0.2074	2,462	$0.00	0.00	2.6%	**$524**
2033	$0.2155	2,462	$0.00	0.00	2.6%	**$544**
2034	$0.2238	2,462	$0.00	0.00	2.6%	**$565**
2035	$0.2325	2,462	$0.00	0.00	2.6%	**$587**
2036	$0.2415	2,462	$0.00	0.00	2.6%	**$610**
2037	$0.2509	2,462	$0.00	0.00	2.6%	**$634**
2038	$0.2607	2,462	$0.00	0.00	2.6%	**$658**
2039	$0.2708	2,462	$0.00	0.00	2.6%	**$684**
2040	$0.2813	2,462	$0.00	0.00	2.6%	**$710**
2041	$0.2922	2,462	$0.00	0.00	2.6%	**$738**
2042	$0.3035	2,462	$0.00	0.00	2.6%	**$767**
2043	$0.3153	2,462	$0.00	0.00	2.6%	**$796**
2044	$0.3275	2,462	$0.00	0.00	2.6%	**$827**

Table 2 - Gas Fuel Charge

Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C *(1+D)
2025	$0.7300	115	2.5%	**$86**
2026	$0.7573	115	2.5%	**$89**
2027	$0.7856	115	2.5%	**$93**
2028	$0.8150	115	2.5%	**$96**
2029	$0.8455	115	2.5%	**$100**
2030	$0.8771	115	2.5%	**$103**
2031	$0.9099	115	2.5%	**$107**
2032	$0.9439	115	2.5%	**$111**
2033	$0.9792	115	2.5%	**$115**
2034	$1.0159	115	2.5%	**$120**
2035	$1.0539	115	2.5%	**$124**
2036	$1.0933	115	2.5%	**$129**
2037	$1.1342	115	2.5%	**$134**
2038	$1.1766	115	2.5%	**$139**
2039	$1.2206	115	2.5%	**$144**
2040	$1.2662	115	2.5%	**$149**
2041	$1.3136	115	2.5%	**$155**
2042	$1.3627	115	2.5%	**$161**
2043	$1.4137	115	2.5%	**$167**
2044	$1.4666	115	2.5%	**$173**

Table 3 - Gas Energy Charge

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C *(1+D)
2025	$0.6881	115	2.5%	**$81**
2026	$0.7138	115	2.5%	**$84**
2027	$0.7405	115	2.5%	**$87**
2028	$0.7682	115	2.5%	**$91**
2029	$0.7969	115	2.5%	**$94**
2030	$0.8268	115	2.5%	**$97**
2031	$0.8577	115	2.5%	**$101**
2032	$0.8898	115	2.5%	**$105**
2033	$0.9230	115	2.5%	**$109**
2034	$0.9575	115	2.5%	**$113**
2035	$0.9934	115	2.5%	**$117**
2036	$1.0305	115	2.5%	**$121**
2037	$1.0691	115	2.5%	**$126**
2038	$1.1090	115	2.5%	**$131**
2039	$1.1505	115	2.5%	**$136**
2040	$1.1935	115	2.5%	**$141**
2041	$1.2382	115	2.5%	**$146**
2042	$1.2845	115	2.5%	**$151**
2043	$1.3325	115	2.5%	**$157**
2044	$1.3824	115	2.5%	**$163**

Table 4 - Gas Customer Charge

Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge
A	B	C	D	E	C*D*(1+E)
2025	$18.84	$226.02	2.43%	2.5%	**$6**
2026	$18.84	$226.02	2.43%	2.5%	**$6**
2027	$18.84	$226.02	2.43%	2.5%	**$6**
2028	$18.84	$226.02	2.43%	2.5%	**$6**
2029	$18.84	$226.02	2.43%	2.5%	**$6**
2030	$18.84	$226.02	2.43%	2.5%	**$6**
2031	$18.84	$226.02	2.43%	2.5%	**$6**
2032	$18.84	$226.02	2.43%	2.5%	**$6**
2033	$18.84	$226.02	2.43%	2.5%	**$6**
2034	$18.84	$226.02	2.43%	2.5%	**$6**
2035	$18.84	$226.02	2.43%	2.5%	**$6**
2036	$18.84	$226.02	2.43%	2.5%	**$6**
2037	$18.84	$226.02	2.43%	2.5%	**$6**
2038	$18.84	$226.02	2.43%	2.5%	**$6**
2039	$18.84	$226.02	2.43%	2.5%	**$6**
2040	$18.84	$226.02	2.43%	2.5%	**$6**
2041	$18.84	$226.02	2.43%	2.5%	**$6**
2042	$18.84	$226.02	2.43%	2.5%	**$6**
2043	$18.84	$226.02	2.43%	2.5%	**$6**
2044	$18.84	$226.02	2.43%	2.5%	**$6**

Participants Test - Results

Appliance Type:
Water Heating - Tank (1)

Gas Utility Rate - Average
Elec Utility Rate - Average
Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

	Benefits				Costs							
Year	Avoided Electric KWH/KW 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	3	4	5	3 thru 5	7	8	9	10	11	12	13	7 thru 13
2025	$401	$750	$0	$1,151	$629	($1,288)	$1,414	$18	$86	$81	$6	$946
2026	$417	$0	$0	$417	$0	$0	$0	$19	$89	$84	$6	$198
2027	$433	$0	$0	$433	$0	$0	$0	$20	$93	$87	$6	$206
2028	$450	$0	$0	$450	$0	$0	$0	$21	$96	$91	$6	$213
2029	$467	$0	$0	$467	$0	$0	$0	$22	$100	$94	$6	$221
2030	$485	$0	$0	$485	$0	$0	$0	$23	$103	$97	$6	$229
2031	$504	$0	$0	$504	$0	$0	$0	$24	$107	$101	$6	$238
2032	$524	$0	$0	$524	$0	$0	$0	$25	$111	$105	$6	$247
2033	$544	$0	$0	$544	$0	$0	$0	$26	$115	$109	$6	$256
2034	$565	$0	$0	$565	$0	$0	$0	$27	$120	$113	$6	$265
2035	$587	$0	$0	$587	$0	$0	$0	$28	$124	$117	$6	$275
2036	$610	$0	$0	$610	$0	$0	$0	$30	$129	$121	$6	$286
2037	$634	$0	$0	$634	$0	$0	$0	$31	$134	$126	$6	$296
2038	$658	$0	$0	$658	$0	$0	$0	$32	$139	$131	$6	$307
2039	$684	$0	$0	$684	$0	$0	$0	$34	$144	$136	$6	$319
2040	$710	$0	$0	$710	$0	$0	$0	$35	$149	$141	$6	$331
2041	$738	$0	$0	$738	$0	$0	$0	$37	$155	$146	$6	$343
2042	$767	$0	$0	$767	$0	$0	$0	$39	$161	$151	$6	$356
2043	$796	$0	$0	$796	$0	$0	$0	$40	$167	$157	$6	$370
2044	$827	$0	$0	$827	$0	$0	$0	$42	$173	$163	$6	$383

Present Value of Benefits $8,387

Present Value of Costs $4,342

Benefit/Cost Ratio 1.93

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tank (1)	Building Type - Residential

)ther Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying ('

Fuel Rate Escalator	3.74%	Depreciation Rate - Supply Main	2.23%
Gas Energy Charge Escalator	3.74%	Depreciation Rate - Development Main	2.23%
Gas Customer Charge Escalator	0.00%	Depreciation Rate - Service Line	2.33%
O&M/Inflation Escalator	4.43%	Depreciation Rate - Meter	4.85%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Charge
2025	115	$0.6881	$79
2026	115	$0.7138	$82
2027	115	$0.7405	$85
2028	115	$0.7682	$88
2029	115	$0.7969	$92
2030	115	$0.8268	$95
2031	115	$0.8577	$99
2032	115	$0.8898	$102
2033	115	$0.9230	$106
2034	115	$0.9575	$110
2035	115	$0.9934	$114
2036	115	$1.0305	$119
2037	115	$1.0691	$123
2038	115	$1.1090	$128
2039	115	$1.1505	$132
2040	115	$1.1935	$137
2041	115	$1.2382	$142
2042	115	$1.2845	$148
2043	115	$1.3325	$153
2044	115	$1.3824	$159

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	115	$0.7300	$84
2026	115	$0.7573	$87
2027	115	$0.7856	$90
2028	115	$0.8150	$94
2029	115	$0.8455	$97
2030	115	$0.8771	$101
2031	115	$0.9099	$105
2032	115	$0.9439	$109
2033	115	$0.9792	$113
2034	115	$1.0159	$117
2035	115	$1.0539	$121
2036	115	$1.0933	$126
2037	115	$1.1342	$130
2038	115	$1.1766	$135
2039	115	$1.2206	$140
2040	115	$1.2662	$146
2041	115	$1.3136	$151
2042	115	$1.3627	$157
2043	115	$1.4137	$163
2044	115	$1.4666	$169

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tank (1)	Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 2

Revenue - Customer Charge				
1	2	3	4	3*4
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Custo
2025	$18.84	$226.02	2.43%	$5
2026	$18.84	$226.02	2.43%	$5
2027	$18.84	$226.02	2.43%	$5
2028	$18.84	$226.02	2.43%	$5
2029	$18.84	$226.02	2.43%	$5
2030	$18.84	$226.02	2.43%	$5
2031	$18.84	$226.02	2.43%	$5
2032	$18.84	$226.02	2.43%	$5
2033	$18.84	$226.02	2.43%	$5
2034	$18.84	$226.02	2.43%	$5
2035	$18.84	$226.02	2.43%	$5
2036	$18.84	$226.02	2.43%	$5
2037	$18.84	$226.02	2.43%	$5
2038	$18.84	$226.02	2.43%	$5
2039	$18.84	$226.02	2.43%	$5
2040	$18.84	$226.02	2.43%	$5
2041	$18.84	$226.02	2.43%	$5
2042	$18.84	$226.02	2.43%	$5
2043	$18.84	$226.02	2.43%	$5
2044	$18.84	$226.02	2.43%	$5

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	115	$0.7300	$84
2026	115	$0.7573	$87
2027	115	$0.7856	$90
2028	115	$0.8150	$94
2029	115	$0.8455	$97
2030	115	$0.8771	$101
2031	115	$0.9099	$105
2032	115	$0.9439	$109
2033	115	$0.9792	$113
2034	115	$1.0159	$117
2035	115	$1.0539	$121
2036	115	$1.0933	$126
2037	115	$1.1342	$130
2038	115	$1.1766	$135
2039	115	$1.2206	$140
2040	115	$1.2662	$146
2041	115	$1.3136	$151
2042	115	$1.3627	$157
2043	115	$1.4137	$163
2044	115	$1.4666	$169

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tank (1)	Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 4

Investment Carrying Costs								
1	2	3	4	5	6	7	8	6*7*8
Year	Supply Main	Development Main	Servic e Line	Meter	Total Investmen t	Cost of Debt	Ratio of Therms Consumed To Total	Investm ent Carryin g Cost
2025	$1,192	$2,700	$0	$698	$4,590	6.87%	2.43%	$8
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	2.43%	$7
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	2.43%	$7
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	2.43%	$7
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	2.43%	$7
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	2.43%	$7
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	2.43%	$7
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	2.43%	$6
2033	$995	$2,256	$0	$469	$3,720	6.87%	2.43%	$6
2034	$973	$2,206	$0	$446	$3,625	6.87%	2.43%	$6
2035	$951	$2,157	$0	$424	$3,532	6.87%	2.43%	$6
2036	$930	$2,109	$0	$403	$3,442	6.87%	2.43%	$6
2037	$909	$2,062	$0	$383	$3,354	6.87%	2.43%	$6
2038	$889	$2,016	$0	$364	$3,269	6.87%	2.43%	$5
2039	$869	$1,971	$0	$346	$3,186	6.87%	2.43%	$5
2040	$850	$1,927	$0	$329	$3,106	6.87%	2.43%	$5
2041	$831	$1,884	$0	$313	$3,028	6.87%	2.43%	$5
2042	$813	$1,842	$0	$298	$2,953	6.87%	2.43%	$5
2043	$795	$1,801	$0	$284	$2,880	6.87%	2.43%	$5
2044	$777	$1,761	$0	$270	$2,808	6.87%	2.43%	$5

Table 5

Incremental Customer Costs							
1	2	3	4	5=3*4	6	7=6*4	5+7
Year	Monthly Adm. Cost	Annual Adm. Cost	Ratio Therm s To Total	Annual Ratio Adm. Cost	Annual O&M Cost	Annual Ratio O&M Cost	Total Incremental Adm. & O&M Cost
2025	$1.11	$13	2.43%	$0.32	$18.45	$0	$1
2026	$1.16	$14	2.43%	$0.34	$19.27	$0	$1
2027	$1.21	$15	2.43%	$0.36	$20.12	$0	$1
2028	$1.26	$15	2.43%	$0.36	$21.01	$1	$1
2029	$1.32	$16	2.43%	$0.39	$21.94	$1	$1
2030	$1.38	$17	2.43%	$0.41	$22.92	$1	$1
2031	$1.44	$17	2.43%	$0.41	$23.93	$1	$1
2032	$1.50	$18	2.43%	$0.44	$24.99	$1	$1
2033	$1.57	$19	2.43%	$0.46	$26.10	$1	$1
2034	$1.64	$20	2.43%	$0.49	$27.25	$1	$1
2035	$1.71	$21	2.43%	$0.51	$28.46	$1	$1
2036	$1.79	$21	2.43%	$0.51	$29.72	$1	$1
2037	$1.87	$22	2.43%	$0.53	$31.04	$1	$1
2038	$1.95	$23	2.43%	$0.56	$32.41	$1	$1
2039	$2.04	$24	2.43%	$0.58	$33.85	$1	$1
2040	$2.13	$26	2.43%	$0.63	$35.35	$1	$1
2041	$2.22	$27	2.43%	$0.65	$36.91	$1	$2
2042	$2.32	$28	2.43%	$0.68	$38.55	$1	$2
2043	$2.42	$29	2.43%	$0.70	$40.26	$1	$2
2044	$2.53	$30	2.43%	$0.73	$42.04	$1	$2

RIM Test - Results

Gas Utility Rate - Average
Elec Utility Rate - Average
Building Type - Residential

Appliance Type
Water Heating - Tank (1)

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Revenue Customer Charge	**Total Gas Revenue**	Gas Supply Cost	Investment Carrying Cost	Incremental Customer Costs	Program Cost	**Total Costs**
	Table 1	Table 1A	Table 2		Table 3	Table 4	Table 5		
1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2025	$79	$84	$5	$169	$84	$8	$1	$750.03	$842
2026	$82	$87	$5	$175	$87	$7	$1	$0.03	$95
2027	$85	$90	$5	$181	$90	$7	$1	$0.03	$98
2028	$88	$94	$5	$188	$94	$7	$1	$0.03	$102
2029	$92	$97	$5	$194	$97	$7	$1	$0.03	$105
2030	$95	$101	$5	$201	$101	$7	$1	$0.03	$109
2031	$99	$105	$5	$209	$105	$7	$1	$0.03	$112
2032	$102	$109	$5	$216	$109	$6	$1	$0.03	$116
2033	$106	$113	$5	$224	$113	$6	$1	$0.03	$120
2034	$110	$117	$5	$232	$117	$6	$1	$0.03	$124
2035	$114	$121	$5	$241	$121	$6	$1	$0.03	$128
2036	$119	$126	$5	$250	$126	$6	$1	$0.03	$133
2037	$123	$130	$5	$259	$130	$6	$1	$0.03	$137
2038	$128	$135	$5	$268	$135	$5	$1	$0.03	$142
2039	$132	$140	$5	$278	$140	$5	$1	$0.03	$147
2040	$137	$146	$5	$288	$146	$5	$1	$0.03	$152
2041	$142	$151	$5	$299	$151	$5	$2	$0.03	$158
2042	$148	$157	$5	$310	$157	$5	$2	$0.03	$163
2043	$153	$163	$5	$321	$163	$5	$2	$0.03	$169
2044	$159	$169	$5	$333	$169	$5	$2	$0.03	$175

Present Value of Benefits **$3,140**

Present Value of Costs **$2,429**

Benefit/Cost Ratio 1.29

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Gas:	Water Heating - Tankless (1)	
Year:	2025	
CO2:	0.5 tonnes CO2/year	
Allowance:	$850	
Gas Utility:	Average	
I.	Installed Cost Data	
	Equipment	$629
	Installation	$1,419
	Total Customer Cost	$2,048
	Replacement Installation	$594
	Total Replacement (incl Equip)	$1,223
	Utility Rebate	$850
II.	Operating Data	
	Therms Consumed	101
	Total Building Therms	4,726
	O&M (excluding energy)	$18
III.	Rates and Charges	
	ECCR	$0.0952
	Distribution Charge	$0.5929
	Commodity Charge	$0.7300
	Taxes & Fees	2.50%
	Customer Chg	$18.84
	Average Life (years)	20
	Appliance Therms /Total Therms	2.1%
	EC Program Adm. Cost	$0.03
IV.	New Customer Installation Costs	
	Supply Main	$1,192
	Development Main	$2,700
	Service	$0
	Meter	$698
	Total	$4,590
V.	New Customer Admin. Cost $/month	$1.11

Elec:	Water Heating - Tankless (1)	
CO2:	1.69 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	Electric Cost Data	
	Equipment	$669
	Installation	$0
	Breaker and Wiring Savings	$35
	Total Customer Cost	$704
VII.	Energy Conserved Data	
	Monthly Demand kW	0.0
	Annual kWh	2,359
	O&M (excluding energy)	$0
VIII.	Electric Rates and Charges	
	Electric Rate per kW	$0.00
	Electric Rate per kWh	$0.1589
	Electric Fuel rate	$0.0282
	Electric Base rate	$0.1307
	Electric Taxes & Fees	2.58%
	Customer Chg	$11.51
	Average Life in Yrs	20

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Water Heating - Tankless (1)

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 1 - Electric KWH/KW Cost

Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthly Demand kW	Tax Rate	Electric Cost
A	B	C	D	E	F	(B*C+12*D*E)*(1+F)
2025	$0.1589	2,359	$0.00	0.00	2.6%	$385
2026	$0.1651	2,359	$0.00	0.00	2.6%	$400
2027	$0.1715	2,359	$0.00	0.00	2.6%	$415
2028	$0.1781	2,359	$0.00	0.00	2.6%	$431
2029	$0.1850	2,359	$0.00	0.00	2.6%	$448
2030	$0.1922	2,359	$0.00	0.00	2.6%	$465
2031	$0.1997	2,359	$0.00	0.00	2.6%	$483
2032	$0.2074	2,359	$0.00	0.00	2.6%	$502
2033	$0.2155	2,359	$0.00	0.00	2.6%	$521
2034	$0.2238	2,359	$0.00	0.00	2.6%	$542
2035	$0.2325	2,359	$0.00	0.00	2.6%	$563
2036	$0.2415	2,359	$0.00	0.00	2.6%	$585
2037	$0.2509	2,359	$0.00	0.00	2.6%	$607
2038	$0.2607	2,359	$0.00	0.00	2.6%	$631
2039	$0.2708	2,359	$0.00	0.00	2.6%	$655
2040	$0.2813	2,359	$0.00	0.00	2.6%	$681
2041	$0.2922	2,359	$0.00	0.00	2.6%	$707
2042	$0.3035	2,359	$0.00	0.00	2.6%	$735
2043	$0.3153	2,359	$0.00	0.00	2.6%	$763
2044	$0.3275	2,359	$0.00	0.00	2.6%	$793

Table 2 - Gas Fuel Charge

Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C *(1+D)
2025	$0.7300	101	2.5%	$75
2026	$0.7573	101	2.5%	$78
2027	$0.7856	101	2.5%	$81
2028	$0.8150	101	2.5%	$84
2029	$0.8455	101	2.5%	$87
2030	$0.8771	101	2.5%	$91
2031	$0.9099	101	2.5%	$94
2032	$0.9439	101	2.5%	$98
2033	$0.9792	101	2.5%	$101
2034	$1.0159	101	2.5%	$105
2035	$1.0539	101	2.5%	$109
2036	$1.0933	101	2.5%	$113
2037	$1.1342	101	2.5%	$117
2038	$1.1766	101	2.5%	$122
2039	$1.2206	101	2.5%	$126
2040	$1.2662	101	2.5%	$131
2041	$1.3136	101	2.5%	$136
2042	$1.3627	101	2.5%	$141
2043	$1.4137	101	2.5%	$146
2044	$1.4666	101	2.5%	$151

Table 3 - Gas Energy Charge

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C *(1+D)
2025	$0.6881	101	2.5%	$71
2026	$0.7138	101	2.5%	$74
2027	$0.7405	101	2.5%	$76
2028	$0.7682	101	2.5%	$79
2029	$0.7969	101	2.5%	$82
2030	$0.8268	101	2.5%	$85
2031	$0.8577	101	2.5%	$89
2032	$0.8898	101	2.5%	$92
2033	$0.9230	101	2.5%	$95
2034	$0.9575	101	2.5%	$99
2035	$0.9934	101	2.5%	$103
2036	$1.0305	101	2.5%	$106
2037	$1.0691	101	2.5%	$110
2038	$1.1090	101	2.5%	$115
2039	$1.1505	101	2.5%	$119
2040	$1.1935	101	2.5%	$123
2041	$1.2382	101	2.5%	$128
2042	$1.2845	101	2.5%	$133
2043	$1.3325	101	2.5%	$138
2044	$1.3824	101	2.5%	$143

Table 4 - Gas Customer Charge

Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge
A	B	C	D	E	C*D*(1+E)
2025	$18.84	$226.02	2.13%	2.5%	$5
2026	$18.84	$226.02	2.13%	2.5%	$5
2027	$18.84	$226.02	2.13%	2.5%	$5
2028	$18.84	$226.02	2.13%	2.5%	$5
2029	$18.84	$226.02	2.13%	2.5%	$5
2030	$18.84	$226.02	2.13%	2.5%	$5
2031	$18.84	$226.02	2.13%	2.5%	$5
2032	$18.84	$226.02	2.13%	2.5%	$5
2033	$18.84	$226.02	2.13%	2.5%	$5
2034	$18.84	$226.02	2.13%	2.5%	$5
2035	$18.84	$226.02	2.13%	2.5%	$5
2036	$18.84	$226.02	2.13%	2.5%	$5
2037	$18.84	$226.02	2.13%	2.5%	$5
2038	$18.84	$226.02	2.13%	2.5%	$5
2039	$18.84	$226.02	2.13%	2.5%	$5
2040	$18.84	$226.02	2.13%	2.5%	$5
2041	$18.84	$226.02	2.13%	2.5%	$5
2042	$18.84	$226.02	2.13%	2.5%	$5
2043	$18.84	$226.02	2.13%	2.5%	$5
2044	$18.84	$226.02	2.13%	2.5%	$5

Participants Test - Results

Appliance Type:
Water Heating - Tankless (1)

Gas Utility Rate - Average
Elec Utility Rate - Average
Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

	Benefits				Costs							
Year	Avoided Electric KWH/KW 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	3	4	5	3 thru 5	7	8	9	10	11	12	13	7 thru 13
2025	$385	$850	$0	**$1,235**	$629	($704)	$1,419	$18	$75	$71	$5	**$1,514**
2026	$400	$0	$0	**$400**	$0	$0	$0	$19	$78	$74	$5	**$176**
2027	$415	$0	$0	**$415**	$0	$0	$0	$20	$81	$76	$5	**$183**
2028	$431	$0	$0	**$431**	$0	$0	$0	$21	$84	$79	$5	**$190**
2029	$448	$0	$0	**$448**	$0	$0	$0	$22	$87	$82	$5	**$197**
2030	$465	$0	$0	**$465**	$0	$0	$0	$23	$91	$85	$5	**$204**
2031	$483	$0	$0	**$483**	$0	$0	$0	$24	$94	$89	$5	**$211**
2032	$502	$0	$0	**$502**	$0	$0	$0	$25	$98	$92	$5	**$219**
2033	$521	$0	$0	**$521**	$0	$0	$0	$26	$101	$95	$5	**$228**
2034	$542	$0	$0	**$542**	$0	$0	$0	$27	$105	$99	$5	**$236**
2035	$563	$0	$0	**$563**	$0	$0	$0	$28	$109	$103	$5	**$245**
2036	$585	$0	$0	**$585**	$0	$0	$0	$30	$113	$106	$5	**$254**
2037	$607	$0	$0	**$607**	$0	$0	$0	$31	$117	$110	$5	**$264**
2038	$631	$0	$0	**$631**	$0	$0	$0	$32	$122	$115	$5	**$273**
2039	$655	$0	$0	**$655**	$0	$0	$0	$34	$126	$119	$5	**$284**
2040	$681	$0	$0	**$681**	$0	$0	$0	$35	$131	$123	$5	**$294**
2041	$707	$0	$0	**$707**	$0	$0	$0	$37	$136	$128	$5	**$305**
2042	$735	$0	$0	**$735**	$0	$0	$0	$39	$141	$133	$5	**$317**
2043	$763	$0	$0	**$763**	$0	$0	$0	$40	$146	$138	$5	**$329**
2044	$793	$0	$0	**$793**	$0	$0	$0	$42	$151	$143	$5	**$341**

Present Value of Benefits **$8,169**

Present Value of Costs **$4,534**

Benefit/Cost Ratio 1.80

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tankless (1)	Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1

Fuel Rate Escalator	3.74%	Depreciation Rate - Supply Main	2.23%
Gas Energy Charge Escalator	3.74%	Depreciation Rate - Development Main	2.23%
Gas Customer Charge Escalator	0.00%	Depreciation Rate - Service Line	2.33%
O&M/Inflation Escalator	4.43%	Depreciation Rate - Meter	4.85%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Charge
2025	101	$0.6881	**$69**
2026	101	$0.7138	**$72**
2027	101	$0.7405	**$75**
2028	101	$0.7682	**$77**
2029	101	$0.7969	**$80**
2030	101	$0.8268	**$83**
2031	101	$0.8577	**$86**
2032	101	$0.8898	**$90**
2033	101	$0.9230	**$93**
2034	101	$0.9575	**$97**
2035	101	$0.9934	**$100**
2036	101	$1.0305	**$104**
2037	101	$1.0691	**$108**
2038	101	$1.1090	**$112**
2039	101	$1.1505	**$116**
2040	101	$1.1935	**$120**
2041	101	$1.2382	**$125**
2042	101	$1.2845	**$129**
2043	101	$1.3325	**$134**
2044	101	$1.3824	**$139**

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	101	$0.7300	**$74**
2026	101	$0.7573	**$76**
2027	101	$0.7856	**$79**
2028	101	$0.8150	**$82**
2029	101	$0.8455	**$85**
2030	101	$0.8771	**$88**
2031	101	$0.9099	**$92**
2032	101	$0.9439	**$95**
2033	101	$0.9792	**$99**
2034	101	$1.0159	**$102**
2035	101	$1.0539	**$106**
2036	101	$1.0933	**$110**
2037	101	$1.1342	**$114**
2038	101	$1.1766	**$119**
2039	101	$1.2206	**$123**
2040	101	$1.2662	**$128**
2041	101	$1.3136	**$132**
2042	101	$1.3627	**$137**
2043	101	$1.4137	**$142**
2044	101	$1.4666	**$148**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tankless (1)	Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 2

Revenue - Customer Charge				
1	2	3	4	3*4
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Custo
2025	$18.84	$226.02	2.13%	**$5**
2026	$18.84	$226.02	2.13%	**$5**
2027	$18.84	$226.02	2.13%	**$5**
2028	$18.84	$226.02	2.13%	**$5**
2029	$18.84	$226.02	2.13%	**$5**
2030	$18.84	$226.02	2.13%	**$5**
2031	$18.84	$226.02	2.13%	**$5**
2032	$18.84	$226.02	2.13%	**$5**
2033	$18.84	$226.02	2.13%	**$5**
2034	$18.84	$226.02	2.13%	**$5**
2035	$18.84	$226.02	2.13%	**$5**
2036	$18.84	$226.02	2.13%	**$5**
2037	$18.84	$226.02	2.13%	**$5**
2038	$18.84	$226.02	2.13%	**$5**
2039	$18.84	$226.02	2.13%	**$5**
2040	$18.84	$226.02	2.13%	**$5**
2041	$18.84	$226.02	2.13%	**$5**
2042	$18.84	$226.02	2.13%	**$5**
2043	$18.84	$226.02	2.13%	**$5**
2044	$18.84	$226.02	2.13%	**$5**

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	101	$0.7300	**$74**
2026	101	$0.7573	**$76**
2027	101	$0.7856	**$79**
2028	101	$0.8150	**$82**
2029	101	$0.8455	**$85**
2030	101	$0.8771	**$88**
2031	101	$0.9099	**$92**
2032	101	$0.9439	**$95**
2033	101	$0.9792	**$99**
2034	101	$1.0159	**$102**
2035	101	$1.0539	**$106**
2036	101	$1.0933	**$110**
2037	101	$1.1342	**$114**
2038	101	$1.1766	**$119**
2039	101	$1.2206	**$123**
2040	101	$1.2662	**$128**
2041	101	$1.3136	**$132**
2042	101	$1.3627	**$137**
2043	101	$1.4137	**$142**
2044	101	$1.4666	**$148**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tankless (1)	Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 4

Investment Carrying Costs								
1	2	3	4	5	6	7	8	6*7*8
Year	Supply Main	Development Main	Servic e Line	Meter	Total Investmen t	Cost of Debt	Ratio of Therms Consumed To Total	Investm ent Carryin g Cost
2025	$1,192	$2,700	$0	$698	$4,590	6.87%	2.13%	$7
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	2.13%	$7
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	2.13%	$6
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	2.13%	$6
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	2.13%	$6
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	2.13%	$6
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	2.13%	$6
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	2.13%	$6
2033	$995	$2,256	$0	$469	$3,720	6.87%	2.13%	$5
2034	$973	$2,206	$0	$446	$3,625	6.87%	2.13%	$5
2035	$951	$2,157	$0	$424	$3,532	6.87%	2.13%	$5
2036	$930	$2,109	$0	$403	$3,442	6.87%	2.13%	$5
2037	$909	$2,062	$0	$383	$3,354	6.87%	2.13%	$5
2038	$889	$2,016	$0	$364	$3,269	6.87%	2.13%	$5
2039	$869	$1,971	$0	$346	$3,186	6.87%	2.13%	$5
2040	$850	$1,927	$0	$329	$3,106	6.87%	2.13%	$5
2041	$831	$1,884	$0	$313	$3,028	6.87%	2.13%	$4
2042	$813	$1,842	$0	$298	$2,953	6.87%	2.13%	$4
2043	$795	$1,801	$0	$284	$2,880	6.87%	2.13%	$4
2044	$777	$1,761	$0	$270	$2,808	6.87%	2.13%	$4

Table 5

Incremental Customer Costs							
1	2	3	4	5=3*4	6	7=6*4	5+7
Year	Monthly Adm. Cost	Annual Adm. Cost	Ratio Therm s To Total	Annual Ratio Adm. Cost	Annual O&M Cost	Annual Ratio O&M Cost	Total Incremental Adm. & O&M Cost
2025	$1.11	$13	2.13%	$0.28	$18.45	$0	$1
2026	$1.16	$14	2.13%	$0.30	$19.27	$0	$1
2027	$1.21	$15	2.13%	$0.32	$20.12	$0	$1
2028	$1.26	$15	2.13%	$0.32	$21.01	$0	$1
2029	$1.32	$16	2.13%	$0.34	$21.94	$0	$1
2030	$1.38	$17	2.13%	$0.36	$22.92	$0	$1
2031	$1.44	$17	2.13%	$0.36	$23.93	$1	$1
2032	$1.50	$18	2.13%	$0.38	$24.99	$1	$1
2033	$1.57	$19	2.13%	$0.41	$26.10	$1	$1
2034	$1.64	$20	2.13%	$0.43	$27.25	$1	$1
2035	$1.71	$21	2.13%	$0.45	$28.46	$1	$1
2036	$1.79	$21	2.13%	$0.45	$29.72	$1	$1
2037	$1.87	$22	2.13%	$0.47	$31.04	$1	$1
2038	$1.95	$23	2.13%	$0.49	$32.41	$1	$1
2039	$2.04	$24	2.13%	$0.51	$33.85	$1	$1
2040	$2.13	$26	2.13%	$0.55	$35.35	$1	$1
2041	$2.22	$27	2.13%	$0.58	$36.91	$1	$1
2042	$2.32	$28	2.13%	$0.60	$38.55	$1	$1
2043	$2.42	$29	2.13%	$0.62	$40.26	$1	$1
2044	$2.53	$30	2.13%	$0.64	$42.04	$1	$2

RIM Test - Results

Appliance Type
Water Heating - Tankless (1)

Gas Utility Rate - Average
Elec Utility Rate - Average
Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Revenue Customer Charge	**Total Gas Revenue**	Gas Supply Cost	Investment Carrying Cost	Incremental Customer Costs	Program Cost	**Total Costs**
	Table 1	Table 1A	Table 2		Table 3	Table 4	Table 5		
1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2025	$69	$74	$5	$148	$74	$7	$1	$850.03	$931
2026	$72	$76	$5	$153	$76	$7	$1	$0.03	$84
2027	$75	$79	$5	$159	$79	$6	$1	$0.03	$86
2028	$77	$82	$5	$164	$82	$6	$1	$0.03	$89
2029	$80	$85	$5	$170	$85	$6	$1	$0.03	$92
2030	$83	$88	$5	$177	$88	$6	$1	$0.03	$95
2031	$86	$92	$5	$183	$92	$6	$1	$0.03	$98
2032	$90	$95	$5	$190	$95	$6	$1	$0.03	$102
2033	$93	$99	$5	$197	$99	$5	$1	$0.03	$105
2034	$97	$102	$5	$204	$102	$5	$1	$0.03	$109
2035	$100	$106	$5	$211	$106	$5	$1	$0.03	$112
2036	$104	$110	$5	$219	$110	$5	$1	$0.03	$116
2037	$108	$114	$5	$227	$114	$5	$1	$0.03	$120
2038	$112	$119	$5	$235	$119	$5	$1	$0.03	$125
2039	$116	$123	$5	$244	$123	$5	$1	$0.03	$129
2040	$120	$128	$5	$253	$128	$5	$1	$0.03	$134
2041	$125	$132	$5	$262	$132	$4	$1	$0.03	$138
2042	$129	$137	$5	$272	$137	$4	$1	$0.03	$143
2043	$134	$142	$5	$282	$142	$4	$1	$0.03	$148
2044	$139	$148	$5	$292	$148	$4	$2	$0.03	$153

Present Value of Benefits **$2,752**

Present Value of Costs **$2,322**

Benefit/Cost Ratio 1.19

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Gas:	Water Heating - Tank (1)	
Year:	2025	
CO_2:	0.76 tonnes CO_2/year	
Allowance:	$700	
Gas Utility:	Average	
I.	Installed Cost Data	
	Equipment	$629
	Installation	$1,414
	Total Customer Cost	$2,043
	Replacement Installation	$594
	Total Replacement (incl Equip)	$1,223
	Utility Rebate	$700
II.	Operating Data	
	Therms Consumed	152
	Total Building Therms	4,778
	O&M (excluding energy)	$18
III.	Rates and Charges	
	ECCR	$0.0952
	Distribution Charge	$0.5929
	Commodity Charge	$0.7300
	Taxes & Fees	2.50%
	Customer Chg	$18.84
	Average Life (years)	15
	Appliance Therms /Total Therms	3.2%
	EC Program Adm. Cost	$0.03
IV.	New Customer Installation Costs	
	Supply Main	$1,192
	Development Main	$2,700
	Service	$0
	Meter	$698
	Total	$4,590
V.	New Customer Admin. Cost $/month	$1.11

Elec:	Water Heating - Tank (1)	
CO_2:	1.76 tonnes CO_2/year	
Rate:	Average	
Bldg:	Residential	
VI.	Electric Cost Data	
	Equipment	$669
	Installation	$594
	Breaker and Wiring Savings	$25
	Total Customer Cost	$1,288
VII.	Energy Conserved Data	
	Monthly Demand kW	0.0
	Annual kWh	2,462
	O&M (excluding energy)	$0
VIII.	Electric Rates and Charges	
	Electric Rate per kW	$0.00
	Electric Rate per kWh	$0.1589
	Electric Fuel rate	$0.0282
	Electric Base rate	$0.1307
	Electric Taxes & Fees	2.58%
	Customer Chg	$11.51
	Average Life in Yrs	15

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Water Heating - Tank (1)

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 1 - Electric KWH/KW Cost

Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthly Demand kW	Tax Rate	Electric Cost
A	B	C	D	E	F	(B*C+12*D*E)*(1+F)
2025	$0.1589	2,462	$0.00	0.00	2.6%	$401
2026	$0.1651	2,462	$0.00	0.00	2.6%	$417
2027	$0.1715	2,462	$0.00	0.00	2.6%	$433
2028	$0.1781	2,462	$0.00	0.00	2.6%	$450
2029	$0.1850	2,462	$0.00	0.00	2.6%	$467
2030	$0.1922	2,462	$0.00	0.00	2.6%	$485
2031	$0.1997	2,462	$0.00	0.00	2.6%	$504
2032	$0.2074	2,462	$0.00	0.00	2.6%	$524
2033	$0.2155	2,462	$0.00	0.00	2.6%	$544
2034	$0.2238	2,462	$0.00	0.00	2.6%	$565
2035	$0.2325	2,462	$0.00	0.00	2.6%	$587
2036	$0.2415	2,462	$0.00	0.00	2.6%	$610
2037	$0.2509	2,462	$0.00	0.00	2.6%	$634
2038	$0.2607	2,462	$0.00	0.00	2.6%	$658
2039	$0.2708	2,462	$0.00	0.00	2.6%	$684
2040	$0.2813	2,462	$0.00	0.00	2.6%	$710
2041	$0.2922	2,462	$0.00	0.00	2.6%	$738
2042	$0.3035	2,462	$0.00	0.00	2.6%	$767
2043	$0.3153	2,462	$0.00	0.00	2.6%	$796
2044	$0.3275	2,462	$0.00	0.00	2.6%	$827

Table 2 - Gas Fuel Charge

Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C *(1+D)
2025	$0.7300	152	2.5%	$114
2026	$0.7573	152	2.5%	$118
2027	$0.7856	152	2.5%	$122
2028	$0.8150	152	2.5%	$127
2029	$0.8455	152	2.5%	$132
2030	$0.8771	152	2.5%	$137
2031	$0.9099	152	2.5%	$142
2032	$0.9439	152	2.5%	$147
2033	$0.9792	152	2.5%	$153
2034	$1.0159	152	2.5%	$158
2035	$1.0539	152	2.5%	$164
2036	$1.0933	152	2.5%	$170
2037	$1.1342	152	2.5%	$177
2038	$1.1766	152	2.5%	$183
2039	$1.2206	152	2.5%	$190
2040	$1.2662	152	2.5%	$197
2041	$1.3136	152	2.5%	$205
2042	$1.3627	152	2.5%	$212
2043	$1.4137	152	2.5%	$220
2044	$1.4666	152	2.5%	$228

Table 3 - Gas Energy Charge

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C *(1+D)
2025	$0.6881	152	2.5%	$107
2026	$0.7138	152	2.5%	$111
2027	$0.7405	152	2.5%	$115
2028	$0.7682	152	2.5%	$120
2029	$0.7969	152	2.5%	$124
2030	$0.8268	152	2.5%	$129
2031	$0.8577	152	2.5%	$134
2032	$0.8898	152	2.5%	$139
2033	$0.9230	152	2.5%	$144
2034	$0.9575	152	2.5%	$149
2035	$0.9934	152	2.5%	$155
2036	$1.0305	152	2.5%	$161
2037	$1.0691	152	2.5%	$167
2038	$1.1090	152	2.5%	$173
2039	$1.1505	152	2.5%	$179
2040	$1.1935	152	2.5%	$186
2041	$1.2382	152	2.5%	$193
2042	$1.2845	152	2.5%	$200
2043	$1.3325	152	2.5%	$208
2044	$1.3824	152	2.5%	$215

Table 4 - Gas Customer Charge

Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge
A	B	C	D	E	C*D*(1+E)
2025	$18.84	$226.02	3.18%	2.5%	$7
2026	$18.84	$226.02	3.18%	2.5%	$7
2027	$18.84	$226.02	3.18%	2.5%	$7
2028	$18.84	$226.02	3.18%	2.5%	$7
2029	$18.84	$226.02	3.18%	2.5%	$7
2030	$18.84	$226.02	3.18%	2.5%	$7
2031	$18.84	$226.02	3.18%	2.5%	$7
2032	$18.84	$226.02	3.18%	2.5%	$7
2033	$18.84	$226.02	3.18%	2.5%	$7
2034	$18.84	$226.02	3.18%	2.5%	$7
2035	$18.84	$226.02	3.18%	2.5%	$7
2036	$18.84	$226.02	3.18%	2.5%	$7
2037	$18.84	$226.02	3.18%	2.5%	$7
2038	$18.84	$226.02	3.18%	2.5%	$7
2039	$18.84	$226.02	3.18%	2.5%	$7
2040	$18.84	$226.02	3.18%	2.5%	$7
2041	$18.84	$226.02	3.18%	2.5%	$7
2042	$18.84	$226.02	3.18%	2.5%	$7
2043	$18.84	$226.02	3.18%	2.5%	$7
2044	$18.84	$226.02	3.18%	2.5%	$7

Appliance Type:
Water Heating - Tank (1)

Gas Utility Rate - Average
Elec Utility Rate - Average
Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

	Benefits				Costs							
Year	Avoided Electric KWH/KW 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	3	4	5	3 thru 5	7	8	9	10	11	12	13	7 thru 13
2025	$401	$700	$0	**$1,101**	$629	($1,288)	$1,414	$18	$114	$107	$7	**$1,002**
2026	$417	$0	$0	**$417**	$0	$0	$0	$19	$118	$111	$7	**$256**
2027	$433	$0	$0	**$433**	$0	$0	$0	$20	$122	$115	$7	**$265**
2028	$450	$0	$0	**$450**	$0	$0	$0	$21	$127	$120	$7	**$275**
2029	$467	$0	$0	**$467**	$0	$0	$0	$22	$132	$124	$7	**$285**
2030	$485	$0	$0	**$485**	$0	$0	$0	$23	$137	$129	$7	**$296**
2031	$504	$0	$0	**$504**	$0	$0	$0	$24	$142	$134	$7	**$307**
2032	$524	$0	$0	**$524**	$0	$0	$0	$25	$147	$139	$7	**$318**
2033	$544	$0	$0	**$544**	$0	$0	$0	$26	$153	$144	$7	**$330**
2034	$565	$0	$0	**$565**	$0	$0	$0	$27	$158	$149	$7	**$342**
2035	$587	$0	$0	**$587**	$0	$0	$0	$28	$164	$155	$7	**$355**
2036	$610	$0	$0	**$610**	$0	$0	$0	$30	$170	$161	$7	**$368**
2037	$634	$0	$0	**$634**	$0	$0	$0	$31	$177	$167	$7	**$382**
2038	$658	$0	$0	**$658**	$0	$0	$0	$32	$183	$173	$7	**$396**
2039	$684	$0	$0	**$684**	$0	$0	$0	$34	$190	$179	$7	**$411**
2040	$710	$700	$0	**$1,410**	$1,205	($2,420)	$1,138	$35	$197	$186	$7	**$349**
2041	$738	$0	$0	**$738**	$0	$0	$0	$37	$205	$193	$7	**$442**
2042	$767	$0	$0	**$767**	$0	$0	$0	$39	$212	$200	$7	**$458**
2043	$796	$0	$0	**$796**	$0	$0	$0	$40	$220	$208	$7	**$475**
2044	$827	$0	$0	**$827**	$0	$0	$0	$42	$228	$215	$7	**$493**

Present Value of Benefits **$8,702**

Present Value of Costs **$5,337**

Benefit/Cost Ratio	1.63

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tank (1)	Building Type - Residential

›ther Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (·

Fuel Rate Escalator	3.74%	Depreciation Rate - Supply Main	2.23%
Gas Energy Charge Escalator	3.74%	Depreciation Rate - Development Main	2.23%
Gas Customer Charge Escalator	0.00%	Depreciation Rate - Service Line	2.33%
O&M/Inflation Escalator	4.43%	Depreciation Rate - Meter	4.85%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Charge
2025	152	$0.6881	**$105**
2026	152	$0.7138	**$109**
2027	152	$0.7405	**$113**
2028	152	$0.7682	**$117**
2029	152	$0.7969	**$121**
2030	152	$0.8268	**$126**
2031	152	$0.8577	**$130**
2032	152	$0.8898	**$135**
2033	152	$0.9230	**$140**
2034	152	$0.9575	**$146**
2035	152	$0.9934	**$151**
2036	152	$1.0305	**$157**
2037	152	$1.0691	**$162**
2038	152	$1.1090	**$169**
2039	152	$1.1505	**$175**
2040	152	$1.1935	**$181**
2041	152	$1.2382	**$188**
2042	152	$1.2845	**$195**
2043	152	$1.3325	**$203**
2044	152	$1.3824	**$210**

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	152	$0.7300	**$111**
2026	152	$0.7573	**$115**
2027	152	$0.7856	**$119**
2028	152	$0.8150	**$124**
2029	152	$0.8455	**$129**
2030	152	$0.8771	**$133**
2031	152	$0.9099	**$138**
2032	152	$0.9439	**$143**
2033	152	$0.9792	**$149**
2034	152	$1.0159	**$154**
2035	152	$1.0539	**$160**
2036	152	$1.0933	**$166**
2037	152	$1.1342	**$172**
2038	152	$1.1766	**$179**
2039	152	$1.2206	**$186**
2040	152	$1.2662	**$192**
2041	152	$1.3136	**$200**
2042	152	$1.3627	**$207**
2043	152	$1.4137	**$215**
2044	152	$1.4666	**$223**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tank (1)	Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 2

Revenue - Customer Charge				
1	2	3	4	3*4
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Custo...
2025	$18.84	$226.02	3.18%	**$7**
2026	$18.84	$226.02	3.18%	**$7**
2027	$18.84	$226.02	3.18%	**$7**
2028	$18.84	$226.02	3.18%	**$7**
2029	$18.84	$226.02	3.18%	**$7**
2030	$18.84	$226.02	3.18%	**$7**
2031	$18.84	$226.02	3.18%	**$7**
2032	$18.84	$226.02	3.18%	**$7**
2033	$18.84	$226.02	3.18%	**$7**
2034	$18.84	$226.02	3.18%	**$7**
2035	$18.84	$226.02	3.18%	**$7**
2036	$18.84	$226.02	3.18%	**$7**
2037	$18.84	$226.02	3.18%	**$7**
2038	$18.84	$226.02	3.18%	**$7**
2039	$18.84	$226.02	3.18%	**$7**
2040	$18.84	$226.02	3.18%	**$7**
2041	$18.84	$226.02	3.18%	**$7**
2042	$18.84	$226.02	3.18%	**$7**
2043	$18.84	$226.02	3.18%	**$7**
2044	$18.84	$226.02	3.18%	**$7**

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	152	$0.7300	**$111**
2026	152	$0.7573	**$115**
2027	152	$0.7856	**$119**
2028	152	$0.8150	**$124**
2029	152	$0.8455	**$129**
2030	152	$0.8771	**$133**
2031	152	$0.9099	**$138**
2032	152	$0.9439	**$143**
2033	152	$0.9792	**$149**
2034	152	$1.0159	**$154**
2035	152	$1.0539	**$160**
2036	152	$1.0933	**$166**
2037	152	$1.1342	**$172**
2038	152	$1.1766	**$179**
2039	152	$1.2206	**$186**
2040	152	$1.2662	**$192**
2041	152	$1.3136	**$200**
2042	152	$1.3627	**$207**
2043	152	$1.4137	**$215**
2044	152	$1.4666	**$223**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tank (1)	Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 4

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
2025	$1,192	$2,700	$0	$698	$4,590	6.87%	3.18%	**$10**
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.18%	**$10**
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.18%	**$10**
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.18%	**$9**
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.18%	**$9**
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.18%	**$9**
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.18%	**$9**
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.18%	**$8**
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.18%	**$8**
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.18%	**$8**
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.18%	**$8**
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.18%	**$8**
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.18%	**$7**
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.18%	**$7**
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.18%	**$7**
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.18%	**$7**
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.18%	**$7**
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.18%	**$6**
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.18%	**$6**
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.18%	**$6**

Table 5

Incremental Customer Costs

1	2	3	4	5=3*4	6	7=6*4	5+7
Year	Monthly Adm. Cost	Annual Adm. Cost	Ratio Therms To Total	Annual Ratio Adm. Cost	Annual O&M Cost	Annual Ratio O&M Cost	Total Incremental Adm. & O&M Cost
2025	$1.11	$13	3.18%	$0.41	$18.45	$1	**$1**
2026	$1.16	$14	3.18%	$0.45	$19.27	$1	**$1**
2027	$1.21	$15	3.18%	$0.48	$20.12	$1	**$1**
2028	$1.26	$15	3.18%	$0.48	$21.01	$1	**$1**
2029	$1.32	$16	3.18%	$0.51	$21.94	$1	**$1**
2030	$1.38	$17	3.18%	$0.54	$22.92	$1	**$1**
2031	$1.44	$17	3.18%	$0.54	$23.93	$1	**$1**
2032	$1.50	$18	3.18%	$0.57	$24.99	$1	**$1**
2033	$1.57	$19	3.18%	$0.60	$26.10	$1	**$1**
2034	$1.64	$20	3.18%	$0.64	$27.25	$1	**$2**
2035	$1.71	$21	3.18%	$0.67	$28.46	$1	**$2**
2036	$1.79	$21	3.18%	$0.67	$29.72	$1	**$2**
2037	$1.87	$22	3.18%	$0.70	$31.04	$1	**$2**
2038	$1.95	$23	3.18%	$0.73	$32.41	$1	**$2**
2039	$2.04	$24	3.18%	$0.76	$33.85	$1	**$2**
2040	$2.13	$26	3.18%	$0.83	$35.35	$1	**$2**
2041	$2.22	$27	3.18%	$0.86	$36.91	$1	**$2**
2042	$2.32	$28	3.18%	$0.89	$38.55	$1	**$2**
2043	$2.42	$29	3.18%	$0.92	$40.26	$1	**$2**
2044	$2.53	$30	3.18%	$0.95	$42.04	$1	**$2**

Appliance Type	Gas Utility Rate - Average
Water Heating - Tank (1)	Elec Utility Rate - Average
	Building Type - Residential

Other Equipment Included in Analysis: , Cooking Equipment (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Revenue Customer Charge	**Total Gas Revenue**	Gas Supply Cost	Investment Carrying Cost	Incremental Customer Costs	Program Cost	**Total Costs**
	Table 1	Table 1A	Table 2		Table 3	Table 4	Table 5		
1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2025	$105	$111	$7	$223	$111	$10	$1	$700.03	$822
2026	$109	$115	$7	$231	$115	$10	$1	$0.03	$126
2027	$113	$119	$7	$239	$119	$10	$1	$0.03	$130
2028	$117	$124	$7	$248	$124	$9	$1	$0.03	$134
2029	$121	$129	$7	$257	$129	$9	$1	$0.03	$139
2030	$126	$133	$7	$266	$133	$9	$1	$0.03	$143
2031	$130	$138	$7	$276	$138	$9	$1	$0.03	$148
2032	$135	$143	$7	$286	$143	$8	$1	$0.03	$153
2033	$140	$149	$7	$296	$149	$8	$1	$0.03	$158
2034	$146	$154	$7	$307	$154	$8	$2	$0.03	$164
2035	$151	$160	$7	$318	$160	$8	$2	$0.03	$170
2036	$157	$166	$7	$330	$166	$8	$2	$0.03	$175
2037	$162	$172	$7	$342	$172	$7	$2	$0.03	$181
2038	$169	$179	$7	$355	$179	$7	$2	$0.03	$188
2039	$175	$186	$7	$368	$186	$7	$2	$0.03	$194
2040	$181	$192	$7	$381	$192	$7	$2	$700.03	$901
2041	$188	$200	$7	$395	$200	$7	$2	$0.03	$208
2042	$195	$207	$7	$410	$207	$6	$2	$0.03	$216
2043	$203	$215	$7	$425	$215	$6	$2	$0.03	$223
2044	$210	$223	$7	$440	$223	$6	$2	$0.03	$231

Present Value of Benefits **$4,149**

Present Value of Costs **$3,283**

Benefit/Cost Ratio	1.26

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Other Equipment Included in Analysis: *Water Heating - Tankless (1), Pool Heating (1), Furnace (1), Clothes Drying (1)*

Gas:	Cooking Equipment (1)	
Year:	2025	
CO2:	0.16 tonnes CO2/year	
Allowance:	$350	
Gas Utility:	Average	
I.	Installed Cost Data	
	Equipment	$919
	Installation	$811
	Total Customer Cost	$1,730
	Replacement Installation	$186
	Total Replacement (incl Equip)	$1,105
	Utility Rebate	$350
II.	Operating Data	
	Therms Consumed	32
	Total Building Therms	4,726
	O&M (excluding energy)	$18
III.	Rates and Charges	
	ECCR	$0.0952
	Distribution Charge	$0.5929
	Commodity Charge	$0.7300
	Taxes & Fees	2.50%
	Customer Chg	$18.84
	Average Life (years)	15
	Appliance Therms /Total Therms	0.68%
	EC Program Adm. Cost	$0.03
IV.	New Customer Installation Costs	
	Supply Main	$1,192
	Development Main	$2,700
	Service	$0
	Meter	$698
	Total	$4,590
V.	New Customer Admin. Cost $/month	$1.11

Elec:	Cooking Equipment (1)	
CO2:	0.4 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	Electric Cost Data	
	Equipment	$929
	Installation	$186
	Breaker and Wiring Savings	$35
	Total Customer Cost	$1,150
VII.	Energy Conserved Data	
	Monthly Demand kW	0.0
	Annual kWh	564
	O&M (excluding energy)	$0
VIII.	Electric Rates and Charges	
	Electric Rate per kW	$0.00
	Electric Rate per kWh	$0.1589
	Electric Fuel rate	$0.0282
	Electric Base rate	$0.1307
	Electric Taxes & Fees	2.58%
	Customer Chg	$11.51
	Average Life in Yrs	15

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Cooking Equipment (1)

Other Equipment Included in Analysis: Water Heating - Tankless (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 1 - Electric KWH/KW Cost

Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthly Demand kW	Tax Rate	Electric Cost
A	B	C	D	E	F	(B*C+12*D*E)*(1+F)
2025	$0.1589	564	$0.00	0.00	2.6%	$92
2026	$0.1651	564	$0.00	0.00	2.6%	$95
2027	$0.1715	564	$0.00	0.00	2.6%	$99
2028	$0.1781	564	$0.00	0.00	2.6%	$103
2029	$0.1850	564	$0.00	0.00	2.6%	$107
2030	$0.1922	564	$0.00	0.00	2.6%	$111
2031	$0.1997	564	$0.00	0.00	2.6%	$115
2032	$0.2074	564	$0.00	0.00	2.6%	$120
2033	$0.2155	564	$0.00	0.00	2.6%	$125
2034	$0.2238	564	$0.00	0.00	2.6%	$129
2035	$0.2325	564	$0.00	0.00	2.6%	$134
2036	$0.2415	564	$0.00	0.00	2.6%	$140
2037	$0.2509	564	$0.00	0.00	2.6%	$145
2038	$0.2607	564	$0.00	0.00	2.6%	$151
2039	$0.2708	564	$0.00	0.00	2.6%	$157
2040	$0.2813	564	$0.00	0.00	2.6%	$163
2041	$0.2922	564	$0.00	0.00	2.6%	$169
2042	$0.3035	564	$0.00	0.00	2.6%	$176
2043	$0.3153	564	$0.00	0.00	2.6%	$182
2044	$0.3275	564	$0.00	0.00	2.6%	$189

Table 2 - Gas Fuel Charge

Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C *(1+D)
2025	$0.7300	32	2.5%	$24
2026	$0.7573	32	2.5%	$25
2027	$0.7856	32	2.5%	$26
2028	$0.8150	32	2.5%	$27
2029	$0.8455	32	2.5%	$28
2030	$0.8771	32	2.5%	$29
2031	$0.9099	32	2.5%	$30
2032	$0.9439	32	2.5%	$31
2033	$0.9792	32	2.5%	$32
2034	$1.0159	32	2.5%	$33
2035	$1.0539	32	2.5%	$35
2036	$1.0933	32	2.5%	$36
2037	$1.1342	32	2.5%	$37
2038	$1.1766	32	2.5%	$39
2039	$1.2206	32	2.5%	$40
2040	$1.2662	32	2.5%	$42
2041	$1.3136	32	2.5%	$43
2042	$1.3627	32	2.5%	$45
2043	$1.4137	32	2.5%	$47
2044	$1.4666	32	2.5%	$48

Table 3 - Gas Energy Charge

Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	B	C	D	B*C *(1+D)
2025	$0.6881	32	2.5%	$23
2026	$0.7138	32	2.5%	$24
2027	$0.7405	32	2.5%	$24
2028	$0.7682	32	2.5%	$25
2029	$0.7969	32	2.5%	$26
2030	$0.8268	32	2.5%	$27
2031	$0.8577	32	2.5%	$28
2032	$0.8898	32	2.5%	$29
2033	$0.9230	32	2.5%	$30
2034	$0.9575	32	2.5%	$32
2035	$0.9934	32	2.5%	$33
2036	$1.0305	32	2.5%	$34
2037	$1.0691	32	2.5%	$35
2038	$1.1090	32	2.5%	$37
2039	$1.1505	32	2.5%	$38
2040	$1.1935	32	2.5%	$39
2041	$1.2382	32	2.5%	$41
2042	$1.2845	32	2.5%	$42
2043	$1.3325	32	2.5%	$44
2044	$1.3824	32	2.5%	$46

Table 4 - Gas Customer Charge

Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge
A	B	C	D	E	C*D*(1+E)
2025	$18.84	$226.02	0.68%	2.5%	$2
2026	$18.84	$226.02	0.68%	2.5%	$2
2027	$18.84	$226.02	0.68%	2.5%	$2
2028	$18.84	$226.02	0.68%	2.5%	$2
2029	$18.84	$226.02	0.68%	2.5%	$2
2030	$18.84	$226.02	0.68%	2.5%	$2
2031	$18.84	$226.02	0.68%	2.5%	$2
2032	$18.84	$226.02	0.68%	2.5%	$2
2033	$18.84	$226.02	0.68%	2.5%	$2
2034	$18.84	$226.02	0.68%	2.5%	$2
2035	$18.84	$226.02	0.68%	2.5%	$2
2036	$18.84	$226.02	0.68%	2.5%	$2
2037	$18.84	$226.02	0.68%	2.5%	$2
2038	$18.84	$226.02	0.68%	2.5%	$2
2039	$18.84	$226.02	0.68%	2.5%	$2
2040	$18.84	$226.02	0.68%	2.5%	$2
2041	$18.84	$226.02	0.68%	2.5%	$2
2042	$18.84	$226.02	0.68%	2.5%	$2
2043	$18.84	$226.02	0.68%	2.5%	$2
2044	$18.84	$226.02	0.68%	2.5%	$2

Participants Test - Results

Appliance Type:
Cooking Equipment (1)

Gas Utility Rate - Average
Elec Utility Rate - Average
Building Type - Residential

Other Equipment Included in Analysis: Water Heating - Tankless (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

	Benefits				Costs							
Year	Avoided Electric KWH/KW 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	3	4	5	3 thru 5	7	8	9	10	11	12	13	7 thru 13
2025	$92	$350	$0	**$442**	$919	($1,150)	$811	$18	$24	$23	$2	**$647**
2026	$95	$0	$0	**$95**	$0	$0	$0	$19	$25	$24	$2	**$69**
2027	$99	$0	$0	**$99**	$0	$0	$0	$20	$26	$24	$2	**$72**
2028	$103	$0	$0	**$103**	$0	$0	$0	$21	$27	$25	$2	**$75**
2029	$107	$0	$0	**$107**	$0	$0	$0	$22	$28	$26	$2	**$78**
2030	$111	$0	$0	**$111**	$0	$0	$0	$23	$29	$27	$2	**$81**
2031	$115	$0	$0	**$115**	$0	$0	$0	$24	$30	$28	$2	**$84**
2032	$120	$0	$0	**$120**	$0	$0	$0	$25	$31	$29	$2	**$87**
2033	$125	$0	$0	**$125**	$0	$0	$0	$26	$32	$30	$2	**$90**
2034	$129	$0	$0	**$129**	$0	$0	$0	$27	$33	$32	$2	**$94**
2035	$134	$0	$0	**$134**	$0	$0	$0	$28	$35	$33	$2	**$98**
2036	$140	$0	$0	**$140**	$0	$0	$0	$30	$36	$34	$2	**$101**
2037	$145	$0	$0	**$145**	$0	$0	$0	$31	$37	$35	$2	**$105**
2038	$151	$0	$0	**$151**	$0	$0	$0	$32	$39	$37	$2	**$109**
2039	$157	$0	$0	**$157**	$0	$0	$0	$34	$40	$38	$2	**$114**
2040	$163	$350	$0	**$513**	$1,761	($2,136)	$356	$35	$42	$39	$2	**$99**
2041	$169	$0	$0	**$169**	$0	$0	$0	$37	$43	$41	$2	**$123**
2042	$176	$0	$0	**$176**	$0	$0	$0	$39	$45	$42	$2	**$127**
2043	$182	$0	$0	**$182**	$0	$0	$0	$40	$47	$44	$2	**$132**
2044	$189	$0	$0	**$189**	$0	$0	$0	$42	$48	$46	$2	**$138**

Present Value of Benefits **$2,282**

Present Value of Costs **$1,839**

Benefit/Cost Ratio 1.24

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Cooking Equipment (1)	Building Type - Residential

Other Equipment Included in Analysis: Water Heating - Tankless (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Fuel Rate Escalator	3.74%	Depreciation Rate - Supply Main	2.23%
Gas Energy Charge Escalator	3.74%	Depreciation Rate - Development Main	2.23%
Gas Customer Charge Escalator	0.00%	Depreciation Rate - Service Line	2.33%
O&M/Inflation Escalator	4.43%	Depreciation Rate - Meter	4.85%

Table 1

Revenue - Energy Charge			
1	2	3	2*3
Year	Therms	Base Rate	Total Charge
2025	32	$0.6881	**$22**
2026	32	$0.7138	**$23**
2027	32	$0.7405	**$24**
2028	32	$0.7682	**$25**
2029	32	$0.7969	**$26**
2030	32	$0.8268	**$27**
2031	32	$0.8577	**$28**
2032	32	$0.8898	**$29**
2033	32	$0.9230	**$30**
2034	32	$0.9575	**$31**
2035	32	$0.9934	**$32**
2036	32	$1.0305	**$33**
2037	32	$1.0691	**$34**
2038	32	$1.1090	**$36**
2039	32	$1.1505	**$37**
2040	32	$1.1935	**$38**
2041	32	$1.2382	**$40**
2042	32	$1.2845	**$41**
2043	32	$1.3325	**$43**
2044	32	$1.3824	**$44**

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	32	$0.7300	**$23**
2026	32	$0.7573	**$24**
2027	32	$0.7856	**$25**
2028	32	$0.8150	**$26**
2029	32	$0.8455	**$27**
2030	32	$0.8771	**$28**
2031	32	$0.9099	**$29**
2032	32	$0.9439	**$30**
2033	32	$0.9792	**$32**
2034	32	$1.0159	**$33**
2035	32	$1.0539	**$34**
2036	32	$1.0933	**$35**
2037	32	$1.1342	**$36**
2038	32	$1.1766	**$38**
2039	32	$1.2206	**$39**
2040	32	$1.2662	**$41**
2041	32	$1.3136	**$42**
2042	32	$1.3627	**$44**
2043	32	$1.4137	**$45**
2044	32	$1.4666	**$47**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Cooking Equipment (1)	Building Type - Residential

Other Equipment Included in Analysis: Water Heating - Tankless (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 2

Revenue - Customer Charge				
1	2	3	4	3*4
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Customer Charge
2025	$18.84	$226.02	0.68%	**$2**
2026	$18.84	$226.02	0.68%	**$2**
2027	$18.84	$226.02	0.68%	**$2**
2028	$18.84	$226.02	0.68%	**$2**
2029	$18.84	$226.02	0.68%	**$2**
2030	$18.84	$226.02	0.68%	**$2**
2031	$18.84	$226.02	0.68%	**$2**
2032	$18.84	$226.02	0.68%	**$2**
2033	$18.84	$226.02	0.68%	**$2**
2034	$18.84	$226.02	0.68%	**$2**
2035	$18.84	$226.02	0.68%	**$2**
2036	$18.84	$226.02	0.68%	**$2**
2037	$18.84	$226.02	0.68%	**$2**
2038	$18.84	$226.02	0.68%	**$2**
2039	$18.84	$226.02	0.68%	**$2**
2040	$18.84	$226.02	0.68%	**$2**
2041	$18.84	$226.02	0.68%	**$2**
2042	$18.84	$226.02	0.68%	**$2**
2043	$18.84	$226.02	0.68%	**$2**
2044	$18.84	$226.02	0.68%	**$2**

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	32	$0.7300	**$23**
2026	32	$0.7573	**$24**
2027	32	$0.7856	**$25**
2028	32	$0.8150	**$26**
2029	32	$0.8455	**$27**
2030	32	$0.8771	**$28**
2031	32	$0.9099	**$29**
2032	32	$0.9439	**$30**
2033	32	$0.9792	**$32**
2034	32	$1.0159	**$33**
2035	32	$1.0539	**$34**
2036	32	$1.0933	**$35**
2037	32	$1.1342	**$36**
2038	32	$1.1766	**$38**
2039	32	$1.2206	**$39**
2040	32	$1.2662	**$41**
2041	32	$1.3136	**$42**
2042	32	$1.3627	**$44**
2043	32	$1.4137	**$45**
2044	32	$1.4666	**$47**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Cooking Equipment (1)	Building Type - Large Commercial Hospitality

Other Equipment Included in Analysis: Water Heating - Tankless (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 4

Investment Carrying Costs								
1	2	3	4	5	6	7	8	6*7*8
Year	Supply Main	Development Main	Service Line	Meter	Total Investmen t	Cost of Debt	Ratio of Therms Consumed To Total	Investment Carrying Cost
2025	$1,192	$2,700	$0	$698	$4,590	6.87%	0.68%	$2
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	0.68%	$2
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	0.68%	$2
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	0.68%	$2
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	0.68%	$2
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	0.68%	$2
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	0.68%	$2
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	0.68%	$2
2033	$995	$2,256	$0	$469	$3,720	6.87%	0.68%	$2
2034	$973	$2,206	$0	$446	$3,625	6.87%	0.68%	$2
2035	$951	$2,157	$0	$424	$3,532	6.87%	0.68%	$2
2036	$930	$2,109	$0	$403	$3,442	6.87%	0.68%	$2
2037	$909	$2,062	$0	$383	$3,354	6.87%	0.68%	$2
2038	$889	$2,016	$0	$364	$3,269	6.87%	0.68%	$2
2039	$869	$1,971	$0	$346	$3,186	6.87%	0.68%	$1
2040	$850	$1,927	$0	$329	$3,106	6.87%	0.68%	$1
2041	$831	$1,884	$0	$313	$3,028	6.87%	0.68%	$1
2042	$813	$1,842	$0	$298	$2,953	6.87%	0.68%	$1
2043	$795	$1,801	$0	$284	$2,880	6.87%	0.68%	$1
2044	$777	$1,761	$0	$270	$2,808	6.87%	0.68%	$1

Table 5

Incremental Customer Costs							
1	2	3	4	5=3*4	6	8=6*4	5+8
Year	Monthly Adm. Cost	Annual Adm. Cost	Ratio Therms To Total Consumed	Annual Ratio Adm. Cost	Annual O&M Cost	Annual Ratio O&M Cost	Total Incremental Adm. & O&M Cost
2025	$1.11	$13	0.68%	$0.09	$18.45	$0	$0
2026	$1.16	$14	0.68%	$0.10	$19.27	$0	$0
2027	$1.21	$15	0.68%	$0.10	$20.12	$0	$0
2028	$1.26	$15	0.68%	$0.10	$21.01	$0	$0
2029	$1.32	$16	0.68%	$0.11	$21.94	$0	$0
2030	$1.38	$17	0.68%	$0.12	$22.92	$0	$0
2031	$1.44	$17	0.68%	$0.12	$23.93	$0	$0
2032	$1.50	$18	0.68%	$0.12	$24.99	$0	$0
2033	$1.57	$19	0.68%	$0.13	$26.10	$0	$0
2034	$1.64	$20	0.68%	$0.14	$27.25	$0	$0
2035	$1.71	$21	0.68%	$0.14	$28.46	$0	$0
2036	$1.79	$21	0.68%	$0.14	$29.72	$0	$0
2037	$1.87	$22	0.68%	$0.15	$31.04	$0	$0
2038	$1.95	$23	0.68%	$0.16	$32.41	$0	$0
2039	$2.04	$24	0.68%	$0.16	$33.85	$0	$0
2040	$2.13	$26	0.68%	$0.18	$35.35	$0	$0
2041	$2.22	$27	0.68%	$0.18	$36.91	$0	$0
2042	$2.32	$28	0.68%	$0.19	$38.55	$0	$0
2043	$2.42	$29	0.68%	$0.20	$40.26	$0	$0
2044	$2.53	$30	0.68%	$0.20	$42.04	$0	$0

RIM Test - Results

Appliance Type
Cooking Equipment (1)

Gas Utility Rate - Average
Elec Utility Rate - Average
Building Type - Residential

Other Equipment Included in Analysis: Water Heating - Tankless (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

	Incremental Revenue Energy Charge	Incremental Revenue Cost of Gas	Incremental Revenue Customer Charge	**Total Gas Revenue**	Gas Supply Cost	Investment Carrying Cost	Incremental Customer Costs	Program Cost	**Total Costs**
	Table 1	Table 1A	Table 2		Table 3	Table 4	Table 5		
1	2	3	4	2 thru 4	6	7	8	9	6 thru 9
2025	$22	$23	$2	$47	$23	$2	$0	$350.03	$376
2026	$23	$24	$2	$49	$24	$2	$0	$0.03	$27
2027	$24	$25	$2	$51	$25	$2	$0	$0.03	$28
2028	$25	$26	$2	$52	$26	$2	$0	$0.03	$28
2029	$26	$27	$2	$54	$27	$2	$0	$0.03	$29
2030	$27	$28	$2	$56	$28	$2	$0	$0.03	$30
2031	$28	$29	$2	$58	$29	$2	$0	$0.03	$31
2032	$29	$30	$2	$61	$30	$2	$0	$0.03	$32
2033	$30	$32	$2	$63	$32	$2	$0	$0.03	$34
2034	$31	$33	$2	$65	$33	$2	$0	$0.03	$35
2035	$32	$34	$2	$67	$34	$2	$0	$0.03	$36
2036	$33	$35	$2	$70	$35	$2	$0	$0.03	$37
2037	$34	$36	$2	$72	$36	$2	$0	$0.03	$38
2038	$36	$38	$2	$75	$38	$2	$0	$0.03	$40
2039	$37	$39	$2	$78	$39	$1	$0	$0.03	$41
2040	$38	$41	$2	$81	$41	$1	$0	$0.03	$43
2041	$40	$42	$2	$84	$42	$1	$0	$0.03	$44
2042	$41	$44	$2	$87	$44	$1	$0	$0.03	$46
2043	$43	$45	$2	$90	$45	$1	$0	$0.03	$47
2044	$44	$47	$2	$93	$47	$1	$0	$0.03	$49

Present Value of Benefits **$878**

Present Value of Costs **$820**

Benefit/Cost Ratio 1.07