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July 24, 2026

E-PORTAL

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

Re: Docket No. 20260026-GU –Joint petition for approval of updates to residential conservation programs, by Florida Public Utilities Company and Florida City Gas.

Dear Mr. Teitzman:

Enclosed for filing in the above-referenced docket, please find Florida Public Utilities Company's and Florida City Gas's Second Revised Joint Petition for Approval of Updates to Residential Conservation Programs, along with revised Exhibit A. Exhibit B – F, previously filed on April 16, 2026, remain unchanged.

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
Gunster, Yoakley & Stewart, P.A.
215 South Monroe St., Suite 601
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BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Joint Petition of Florida Public Utilities) Company and Florida City Gas for Approval) Of Updated Residential Conservation Programs.) ______________________________________)	Docket No. 20260063-GU Filed: July 24, 2026

SECOND REVISED JOINT PETITION OF FLORIDA PUBLIC UTILITIES COMPANY AND FLORIDA CITY GAS FOR APPROVAL OF UPDATES TO RESIDENTIAL CONSERVATION PROGRAMS

Florida Public Utilities Company ("FPUC") and Florida City Gas ("FCG")(referred to jointly herein as "Companies"), pursuant to Rule 25-17.015, Florida Administrative Code, hereby submit this Amended Joint Petition to the Florida Public Service Commission ("Commission") for approval of updated residential gas conservation programs for the Companies. The Companies note that the original Joint Petition was submitted on April 16, 2026. On May 14, 2026, the Commission staff sent the Companies' data requests, which the Companies responded to on May 26, 2026. Over the course of preparing these responses and in subsequent communications with Commission staff, it was determined the certain cost-effective calculations may have been erroneous. Thus, the Companies submitted an Amended Joint Petition on June 16, 2026, reflecting revisions to G-RIM and Participant's test results for Energy Star Water Heaters and Cooking equipment, as well as proposed revised cooking rebates. Thereafter, it was determined that certain inputs and assumptions were not properly carried through the model due to hard coded macros in the model. Adjustments have since been made and the assumptions have been rerun through the model. This resulted in slight changes in the test results, but no changes to the revised rebates proposed in the Amended Petition. The Companies are submitting this Second Revised Petition to accurately reflect the test results. The Companies continue to seek approval of updated residential programs as revised. In support hereof, the Companies state:

1. Florida City Gas and Florida Public Utilities Company are both natural gas utilities subject to the Commission's jurisdiction under Chapter 366, Florida Statutes. Their principal business office is:

> Florida Public Utilities Company/Florida City Gas
> 208 Wildlight Avenue,
> Yulee, Florida 32097

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

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3. The substantial interests of the Companies will be impacted by the Commission's decision on this request in that it will determine whether the proposed updated residential conservation programs are consistent with the Commission's rules and therefore eligible for cost recovery.

4. The Companies are not aware of any disputed facts associated with the request set forth herein.

5. The Commission is the appropriate agency for consideration of the Companies' request and is authorized to act by the Florida Energy Efficiency and Conservation Act ("FEECA"), §§ 366.80-366.83 and 403.519, Florida Statutes, and in accordance with Rules 25-17.009 and 17.015, Florida Administrative Code.

6. The purpose of this petition is to seek approval for both FPUC and FCG to implement the

proposed modifications and updates to their respective natural gas conservation programs for residential customers. Commission approval of the proposed modifications will modernize the Companies' residential conservation programs, consolidate the Companies' residential programs under a single Natural Gas Conservation Cost Recovery (NGCCR) framework, and align incentive levels with contemporary market conditions and the forthcoming Florida Building Code changes. In addition, the proposed changes integrate new education and analytics components to enhance transparency, to improve participation, and to ensure incremental costs are matched by measurable benefits, all with a minimal net bill impact.

PROGRAM DESIGN, EDUCATION, AND IMPLEMENTATION

7. Similar to the current structure, the Companies' proposed residential conservation portfolios are structured around three coordinated programs: New Construction, Existing Customer Retention, and Electric-to-Gas Replacement (Retrofit).[1] For purposes of consistency, these programs share three central components: education/outreach, comparative analytics, and rebates, with each component tailored to meet the specific needs of each market segment for which a program is designed. In addition to rebranding, the most significant updates as they pertain to these three core programs are adjustments to the proposed rebates to account for current costs. The following charts reflect modified rebates for these programs:

Full House Residential New Construction Program (New Construction)

Measure	Current Rebate ($)	Proposed Rebate ($)	Difference ($)
Water Heating – Tankless	$550	$850	$300
Water Heating – Tank (Standard)	$350	$700	$350
Water Heating – Tank (ENERGYSTAR / high-efficiency)	$400	$750	$350

[1] Currently, Residential New Construction, Residential Appliance Replacement, and Residential Appliance Retention.

Furnace	$500	$700	$200
Cooking Equipment (Range)	$150	**$315**	**$165**
Clothes Dryer	$100	$200	$100

Residential Appliance Retention Program (Customer Retention)

Measure	Current Rebate ($)	Proposed Rebate ($)	Difference ($)
Water Heating – Tankless	$550	$600	$50
Water Heating – Tank (Standard)	$350	$400	$50
Water Heating – Tank (ENERGYSTAR / high-efficiency)	$400	$450	$50
Furnace	$500	$550	$50
Cooking Equipment (Range)	$100	$315	$215
Clothes Dryer	$100	$175	$75

Residential Appliance Replacement Program (Retrofit)

Measure	Current Rebate ($)	Proposed Rebate ($)	Difference ($)
Water Heating – Tankless	$675	$750	$75
Water Heating – Tank (Standard)	$500	$600	$100
Water Heating – Tank (ENERGYSTAR / high-efficiency)	$550	$700	$150
Furnace	$725	$725	$0
Cooking Equipment (Range)	$200	$315	$115
Clothes Dryer	$150	$200	$50

8. The Companies are also proposing to modify the existing Residential Customer Survey program to incorporate the changes contemplated by the *Residential Efficiency First* program approved for FPUC's Electric Division in Docket No. 20240170-EG. Efficiency First is a do-it-yourself, merit-based customer engagement model in which customers complete an online survey and receive a weatherization kit for self-installation. Customers will then verify installation through program protocols administered by the Companies' qualified third-party implementation partners/contractors; upon verification, customers are awarded a smart home energy kit to reinforce ongoing energy-saving behaviors and support continued participation. The

Companies will partner with Franklin Energy Services, which will manage follow-up after enrollment through the Companies' respective websites. The process will consist of confirmation that the customer completed the home energy survey and is willing to install the contents of the low-cost weatherization kit. Thereafter, once it has been verified that the customer has had the weatherization kit installed, the customer will then become eligible for the Smart Home energy kit. Only customers who meet all participation and verification criteria advance from the weatherization kit to the smart kit.

9. The Companies' enhanced communications regarding this program will be tailored to fit the three pillars of the Companies' conservation programs. For New Construction, education focuses on design integration, installation best practices, and code alignment. For existing customers (Residential Appliance Retention/Existing Customer Retention), it emphasizes proper maintenance, operational efficiency, and awareness of upgrade opportunities. For electric-to-gas conversions (Residential Appliance Replacement/Electric-to-Gas Replacement (Retrofit)), outreach materials will highlight benefits such as energy and cost savings and safety standards to reduce barriers to conversion.

10. The Companies also seek approval to introduce a new program targeted to lower income customers, called Efficiency for All, which was also previously approved for FPUC's Electric Division. This program is designed to assist income-qualified residential customers in conserving energy in all forms through the FPUC-established *Efficiency for All Program*.

11. Efficiency for All is structured similarly to Efficiency First, but is delivered through coordinated, partner-supported installation in pilot project areas that have experienced community hardship and/or are designated as low-income. Under this model, the Companies will

coordinate outreach, eligibility/qualification, scheduling, and measure delivery and installation through qualified third-party implementation partners. The program leverages established processes, protocols, and partner agreements originally developed on the electric side and deploys them for natural gas customers to ensure consistent implementation, quality control, and equitable access to program benefits. Participation will be limited to low-income housing developments, multifamily buildings, and similar residential complexes, with administrative approval required to align with program goals. Using this approach, the Companies will prioritize communities with the greatest need and readiness to participate. The pilot will reduce participation barriers by bundling outreach, enrollment, and turnkey installation, and will generate measurable therm savings and benefits that can be scaled to additional neighborhoods in the future.

12. In its first year (2027), the Efficiency for All Program will operate on a community-by-community basis to ensure targeted and effective implementation. Through this program, the Companies will provide standardized weatherization and Smart Home energy kits that will be installed by contractors through coordinated, neighborhood-based rollouts. The pilot structure reflects the additional requirements associated with income eligibility verification and contractor coordination. Over the longer term, the Companies intend for the Efficiency for All Program to evolve toward a more automated delivery model similar to the Efficiency First Program, with participating contractors conducting income verification and coordinating installation activities.

13. The proposed updates to the Company's conservation programs will promote long-term affordability, efficiency, and customer choice. Specifically, the proposed changes will:

(a) modernize rebate values to reflect current equipment and installation costs, keeping incentives meaningful enough to influence customer decision making;

(b) enhance builder education and design integration in anticipation of the increased energy code stringency taking effect with the 9th Edition Florida Building Code on December 31, 2026, ensuring builders are prepared to meet higher efficiency standards cost-effectively;

(c) provide clear, fuel-neutral information on the relative costs and performance of available efficiency options to help customers compare upfront costs, operating costs, and long-term efficiency outcomes of available choices;

(d) consolidate overlapping FPUC and Florida City Gas programs to improve consistency, efficiency, and statewide delivery; and

(e) enable data-driven program tracking that verifies prudent use of ratepayer funds.

COST EFFECTIVENESS ANALYSIS

14. In assessing the cost-effectiveness of the proposed changes to the Companies' programs, the comprehensive cost-effectiveness assessment tool developed by the FSEC was utilized. The Excel-based analytical model, provided as Exhibit B (previously provided), integrates all variables necessary to perform the cost-effectiveness evaluations required under Rule 25-17, F.A.C., including both the Participants Test and the Gas Rate Impact Measure (G-RIM).

15. The model incorporates all relevant cost and performance inputs utilized by the Florida Public Service Commission to determine the cost-effectiveness of natural gas energy conservation programs. These include applicable utility rate structures, service-main and customer-charge data, administrative and O&M expenses, depreciation, program implementation

costs, equipment performance and installation costs, fuel-rate assumptions, and avoided-cost calculations. Collectively, these factors form the analytical foundation for the measure-level evaluations presented in this Petition and ensure full compliance with the Commission's approved screening methodology.

16. A detailed summary of all assumptions, data sources, and calculation methodologies is provided in Exhibit C, while Exhibit D (please refer to previously filed exhibits) contains the final technical report from FSEC describing the design, validation, and compilation of the economic assessment tool developed for this filing. In addition, the Companies are also providing Exhibit E, which provides analysis of the bill potential bill impact under three different efficiency scenarios. In addition to the supporting materials described above, the Companies are providing two additional exhibits to further support the Commission's evaluation of the proposed programs. Exhibit E presents a residential ECCR scenario analysis that evaluates potential bill impacts under varying administrative efficiency assumptions, including the expected benefits associated with program consolidation and the use of existing delivery infrastructure. Exhibit F provides a residential program participation forecast based on a conservative growth assumption, illustrating expected participation trends across the New Construction, Existing Customer Retention, and Electric-to-Gas Replacement programs. Together, these exhibits provide additional context regarding both the potential customer bill impacts and the anticipated scale and trajectory of program participation.

17. The Companies are seeking approval of only those measures that achieve Participant and G-RIM ratios of 1.0 or greater at the proposed incentive levels. These measures demonstrate favorable participant economics and neutral-to-positive impacts to ratepayers, supporting Commission approval.

18. The analytical foundation of each program relies on consistent data models and lifecycle cost comparisons. The Companies have applied standardized economic analyses to demonstrate energy savings, avoided costs, and environmental benefits. For New Construction, the analytics quantify the advantages of gas-integrated design versus electric alternatives and how high-efficiency gas equipment can help prepare builders for the energy stringency increases expected in the 9th edition of the Florida Building Code, Energy Conservation (12/31/26). For Retention, the analytics reflect incremental efficiency gains and long-term savings. For Replacement/Retrofit, the analysis illustrates the economic and environmental payback of switching from electric to gas.

19. The following tables summarize eligible residential measures achieving cost-effectiveness thresholds under both tests using the 2025 Florida Solar Energy Center (FSEC) model. Tables are standardized for readability, with references to workbook data and cost-effectiveness results provided in **Exhibit A (updated).**

NEW CONSTRUCTION REBATE PROGRAM

Eligible Appliance/Program	Customer Rebate (Allowance)	Participants Test	G-RIM Test
Tankless Water Heater	$850	2.435	1.085
Tank Water Heater	$700	1.67	1.34
ENERGY STAR Water Heater	$750	2.02	1.20
Furnace	$700	1.505	1.060
Cooking Equipment	$315	1.098	1.012
Clothes Dryer	$200	1.802	1.015

RETROFIT (E2G) REBATE PROGRAM

Eligible Appliance/Program	Customer Rebate (Allowance)	Participants Test	G-RIM Test
Tankless Water Heater	$750	2.413	1.140
Tank Water Heater	$600	1.66	1.39
ENERGY STAR Water Heater	$700	2.01	1.22
Furnace	$725	1.513	1.046

Cooking Equipment	$315	1.098	1.015
Clothes Dryer	$200	1.802	1.020

RETENTION (G2G) REBATE PROGRAM

Eligible Appliance/Program	Customer Rebate (Allowance)	Participants Test	G-RIM Test
Tankless Water Heater	$600	2.381	1.235
Tank Water Heater	$400	1.72	1.60
ENERGY STAR Water Heater	$450	1.97	1.39
Furnace	$550	1.655	1.215
Cooking Equipment	$315	1.342	1.049
Clothes Dryer	$175	1.778	1.119

20. Measures that do not pass both screens under the current assumptions (e.g., CNG Refueling, Pool Heating, Natural Gas Heat Pump) are not proposed for incentive funding at this time. The Companies will continue monitoring market and cost trends and may re-propose such measures when cost-effective. The proposed rebate values reflect current equipment and installation cost data, inflationary adjustments, and adoption elasticities necessary to influence builder and consumer choices.

21. Rebates will be deployed through clear, tiered structures tailored to market segment objectives. New Construction rebates will encourage early gas adoption through partnerships with builders. Retention rebates will reward customers who upgrade to higher-efficiency or ENERGY STAR-rated systems. Replacement/Retrofit rebates will help offset conversion costs to accelerate electric-to-gas adoption. The combined framework balances market expansion with cost-effectiveness, maintaining positive outcomes under both the Participant and G-RIM tests.

22. Administrative and operational ("O&M") costs are incorporated in the analyses consistent with the methodologies outlined in the NG Cost Data and Assumptions spreadsheets of the economic analysis tool developed by FSEC. For each applicable measure, the NG Cost

Data sheet captures utility-specific cost categories including administrative and financial inputs, energy conservation program costs, meter and service main investment, and O&M expenses, with average and weighted-average values automatically linked to the Assumptions sheet for program modeling. These costs were derived directly from the financial data provided by FPUC and Florida City Gas, representing the only updated utility datasets in the 2025 tool. These data include discount rates, depreciation schedules, inflation and escalation factors, and ECCR/DSM administrative overheads, all of which are automatically propagated to the program-level cost-effectiveness analysis. Administrative costs include corporate staffing, contractor support, data tracking, and annual reporting; O&M costs reflect field verification, record maintenance, and database management required for auditable program delivery.

23. The Companies seek approval of the proposed residential programs, as well as approval to recover the prudently incurred program costs, consistent with Commission practice, including customer incentives, administration, verification, and education/outreach.

24. All expenditures will be tracked using utility cost codes aligned to the NG Cost Data structure, ensuring that every dollar of program spending—administrative, incentive, or outreach—can be tied directly to the approved measure cost inputs. In addition to review through the annual Natural Gas Conservation Clause proceeding, the Companies will maintain auditable records linking actual expenditures to the approved cost categories defined in the Information Template and NG Cost Data sheets, monitor participation and cost variances by program type, and provide annual true-ups and performance summaries for Commission review.

CONCLUSION

25. FPUC's last comprehensive modification to its residential conservation programs was made in Docket No. 20060415-GU. FCG made a similar filing, which was approved, in Docket No. 20060746-EG. The key components of the three pillar programs were subsequently modified for both companies in Docket No. 20100186-EG. Since that time, market conditions, equipment costs, and efficiency standards have advanced significantly, requiring program realignment ahead of the 9th edition of the Florida Building Code, Energy Conservation, implementation cycle.

26. The proposed updates restore economic signals necessary to influence builder and consumer behavior while remaining fully cost-effective. Furthermore, consolidating FPUC's and FCG's conservation program portfolios ensures consistent eligibility, rebate administration, and outreach materials — improving administrative efficiency and regulatory clarity.

WHEREFORE, Florida Public Utilities Company and Florida City Gas ask that the Commission:

1. Approve the updated, revised, and consolidated residential conservation programs, as well as the associated rebate schedules proposed herein;
2. Authorize implementation of the accompanying education, outreach, and analytical components necessary to support effective program delivery;
3. Approve recovery of prudently incurred program costs, including administrative costs, verification costs, and customer incentives, through the Natural Gas Conservation Clause mechanism; and
4. Grant such other or further relief as the Commission deems necessary and appropriate.

RESPECTFULLY submitted this 24th day of July, 2026.

Beth Keating, Esquire
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Tallahassee, FL 32301
(850) 521-1706

Attorneys for Florida Public Utilities Company and Florida City Gas

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Joint Petition has been furnished by Electronic Mail to the following parties of record this 24th day of July, 2026:

Timothy Sparks Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399 tsparks@psc.state.fl.us	Office of Public Counsel Walter Trierweiler/Charles Rehwinkel/Octavio Ponce/Austin Watrous c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399-1400 Trierweiler.walt@leg.state.fl.us Rehwinkel.Charles@leg.state.fl.us Ponce.octavio@leg.state.fl.us Watrous.ausin@leg.state.fl.us

Beth Keating

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Exhibit A

Consolidated cost-benefit results by segment, including G-RIM outcomes and other summary metrics referenced in the petition. This Exhibit is the primary roll-up used to communicate where results screen favorably and how outcomes compare across segments.

Residential Gas Cooking Equipment
Executive Summary

PROGRAM HIGHLIGHTS
- Standardized $315 incentive for New Construction and Retention
- $350 Retrofit incentive evaluated separately
- 39 annual therms (N39) assumed for all analyses
- 15-year equipment life
- All program designs pass Participant Test and G-RIM screening

Executive Results Summary

Program	Rebate	Annual Therms	Participant Test	G-RIM	Result
■ New Construction	$315	39	1.098	1.012	PASS
■ Retention	$315	39	1.342	1.049	PASS
■ Retrofit	$350	39	1.098	1.015	PASS

Recommendation

The standardized $315 incentive creates a consistent residential cooking rebate framework while maintaining favorable cost-effectiveness for both New Construction and Retention applications. The proposed $350 Retrofit rebate also satisfies the Participant Test and G-RIM screening requirements. Collectively, the analyses support inclusion of the cooking equipment measure package in the amended petition exhibits as a technically defensible and internally consistent portfolio.

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Gas:	Cooking Equipment (1)	
Year:	2025	
CO2:	0.19 tonnes CO2/year	
Allowance:	$315	
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	$315
II.	**Operating Data**	
	Therms Consumed	39
	Total Building Therms	4,815
	O&M (excluding energy)	[redacted] $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	0.81%
	EC Program Adm. Cost	$0.26
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 - Tank (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	39	2.5%	$29
2026	$0.7573	39	2.5%	$30
2027	$0.7856	39	2.5%	$31
2028	$0.8150	39	2.5%	$33
2029	$0.8455	39	2.5%	$34
2030	$0.8771	39	2.5%	$35
2031	$0.9099	39	2.5%	$36
2032	$0.9439	39	2.5%	$38
2033	$0.9792	39	2.5%	$39
2034	$1.0159	39	2.5%	$41
2035	$1.0539	39	2.5%	$42
2036	$1.0933	39	2.5%	$44
2037	$1.1342	39	2.5%	$45
2038	$1.1766	39	2.5%	$47
2039	$1.2206	39	2.5%	$49
2040	$1.2662	39	2.5%	$51
2041	$1.3136	39	2.5%	$53
2042	$1.3627	39	2.5%	$54
2043	$1.4137	39	2.5%	$57
2044	$1.4666	39	2.5%	$59

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	39	2.5%	$28
2026	$0.7138	39	2.5%	$29
2027	$0.7405	39	2.5%	$30
2028	$0.7682	39	2.5%	$31
2029	$0.7969	39	2.5%	$32
2030	$0.8268	39	2.5%	$33
2031	$0.8577	39	2.5%	$34
2032	$0.8898	39	2.5%	$36
2033	$0.9230	39	2.5%	$37
2034	$0.9575	39	2.5%	$38
2035	$0.9934	39	2.5%	$40
2036	$1.0305	39	2.5%	$41
2037	$1.0691	39	2.5%	$43
2038	$1.1090	39	2.5%	$44
2039	$1.1505	39	2.5%	$46
2040	$1.1935	39	2.5%	$48
2041	$1.2382	39	2.5%	$49
2042	$1.2845	39	2.5%	$51
2043	$1.3325	39	2.5%	$53
2044	$1.3824	39	2.5%	$55

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	0.81%	2.5%	$2
2026	$18.84	$226.02	0.81%	2.5%	$2
2027	$18.84	$226.02	0.81%	2.5%	$2
2028	$18.84	$226.02	0.81%	2.5%	$2
2029	$18.84	$226.02	0.81%	2.5%	$2
2030	$18.84	$226.02	0.81%	2.5%	$2
2031	$18.84	$226.02	0.81%	2.5%	$2
2032	$18.84	$226.02	0.81%	2.5%	$2
2033	$18.84	$226.02	0.81%	2.5%	$2
2034	$18.84	$226.02	0.81%	2.5%	$2
2035	$18.84	$226.02	0.81%	2.5%	$2
2036	$18.84	$226.02	0.81%	2.5%	$2
2037	$18.84	$226.02	0.81%	2.5%	$2
2038	$18.84	$226.02	0.81%	2.5%	$2
2039	$18.84	$226.02	0.81%	2.5%	$2
2040	$18.84	$226.02	0.81%	2.5%	$2
2041	$18.84	$226.02	0.81%	2.5%	$2
2042	$18.84	$226.02	0.81%	2.5%	$2
2043	$18.84	$226.02	0.81%	2.5%	$2
2044	$18.84	$226.02	0.81%	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 - Tank (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	$315	$0	$407	$919	($1,150)	$811	$18	$29	$28	$2	$657
2026	$95	$0	$0	$95	$0	$0	$0	$19	$30	$29	$2	$80
2027	$99	$0	$0	$99	$0	$0	$0	$20	$31	$30	$2	$83
2028	$103	$0	$0	$103	$0	$0	$0	$21	$33	$31	$2	$86
2029	$107	$0	$0	$107	$0	$0	$0	$22	$34	$32	$2	$89
2030	$111	$0	$0	$111	$0	$0	$0	$23	$35	$33	$2	$93
2031	$115	$0	$0	$115	$0	$0	$0	$24	$36	$34	$2	$96
2032	$120	$0	$0	$120	$0	$0	$0	$25	$38	$36	$2	$100
2033	$125	$0	$0	$125	$0	$0	$0	$26	$39	$37	$2	$104
2034	$129	$0	$0	$129	$0	$0	$0	$27	$41	$38	$2	$108
2035	$134	$0	$0	$134	$0	$0	$0	$28	$42	$40	$2	$112
2036	$140	$0	$0	$140	$0	$0	$0	$30	$44	$41	$2	$116
2037	$145	$0	$0	$145	$0	$0	$0	$31	$45	$43	$2	$121
2038	$151	$0	$0	$151	$0	$0	$0	$32	$47	$44	$2	$126
2039	$157	$0	$0	$157	$0	$0	$0	$34	$49	$46	$2	$131
2040	$163	$315	$0	$478	$1,761	($2,136)	$356	$35	$51	$48	$2	$116
2041	$169	$0	$0	$169	$0	$0	$0	$37	$53	$49	$2	$141
2042	$176	$0	$0	$176	$0	$0	$0	$39	$54	$51	$2	$146
2043	$182	$0	$0	$182	$0	$0	$0	$40	$57	$53	$2	$152
2044	$189	$0	$0	$189	$0	$0	$0	$42	$59	$55	$2	$158

Present Value of Benefits $2,228

Present Value of Costs $2,030

Benefit/Cost Ratio 1.10

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 - Tank (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 Year	2 Therms	3 Base Rate	2*3 Total Charge
2025	39	$0.6881	$27
2026	39	$0.7138	$28
2027	39	$0.7405	$29
2028	39	$0.7682	$30
2029	39	$0.7969	$31
2030	39	$0.8268	$32
2031	39	$0.8577	$33
2032	39	$0.8898	$35
2033	39	$0.9230	$36
2034	39	$0.9575	$37
2035	39	$0.9934	$39
2036	39	$1.0305	$40
2037	39	$1.0691	$42
2038	39	$1.1090	$43
2039	39	$1.1505	$45
2040	39	$1.1935	$47
2041	39	$1.2382	$48
2042	39	$1.2845	$50
2043	39	$1.3325	$52
2044	39	$1.3824	$54

Table 1a

Revenue - Cost of Gas

1 Year	2 Therms	3 Fuel Rate	2*3 Total Charge
2025	39	$0.7300	$28
2026	39	$0.7573	$30
2027	39	$0.7856	$31
2028	39	$0.8150	$32
2029	39	$0.8455	$33
2030	39	$0.8771	$34
2031	39	$0.9099	$35
2032	39	$0.9439	$37
2033	39	$0.9792	$38
2034	39	$1.0159	$40
2035	39	$1.0539	$41
2036	39	$1.0933	$43
2037	39	$1.1342	$44
2038	39	$1.1766	$46
2039	39	$1.2206	$48
2040	39	$1.2662	$49
2041	39	$1.3136	$51
2042	39	$1.3627	$53
2043	39	$1.4137	$55
2044	39	$1.4666	$57

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 - Tank (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 2

Revenue - Customer Charge

1 Year	2 Monthly Customer Charge	3 Annual Customer Charge	4 Ratio Therms To Total Consumed	3*4 Prorated Annual Customer Charge
2025	$18.84	$226.02	0.81%	$2
2026	$18.84	$226.02	0.81%	$2
2027	$18.84	$226.02	0.81%	$2
2028	$18.84	$226.02	0.81%	$2
2029	$18.84	$226.02	0.81%	$2
2030	$18.84	$226.02	0.81%	$2
2031	$18.84	$226.02	0.81%	$2
2032	$18.84	$226.02	0.81%	$2
2033	$18.84	$226.02	0.81%	$2
2034	$18.84	$226.02	0.81%	$2
2035	$18.84	$226.02	0.81%	$2
2036	$18.84	$226.02	0.81%	$2
2037	$18.84	$226.02	0.81%	$2
2038	$18.84	$226.02	0.81%	$2
2039	$18.84	$226.02	0.81%	$2
2040	$18.84	$226.02	0.81%	$2
2041	$18.84	$226.02	0.81%	$2
2042	$18.84	$226.02	0.81%	$2
2043	$18.84	$226.02	0.81%	$2
2044	$18.84	$226.02	0.81%	$2

Table 3

Gas Costs

1 Year	2 Therms	3 Gas Supply Rate	2*3 Gas Supply Cost
2025	39	$0.7300	$28
2026	39	$0.7573	$30
2027	39	$0.7856	$31
2028	39	$0.8150	$32
2029	39	$0.8455	$33
2030	39	$0.8771	$34
2031	39	$0.9099	$35
2032	39	$0.9439	$37
2033	39	$0.9792	$38
2034	39	$1.0159	$40
2035	39	$1.0539	$41
2036	39	$1.0933	$43
2037	39	$1.1342	$44
2038	39	$1.1766	$46
2039	39	$1.2206	$48
2040	39	$1.2662	$49
2041	39	$1.3136	$51
2042	39	$1.3627	$53
2043	39	$1.4137	$55
2044	39	$1.4666	$57

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 - Tank (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%	0.81%	$3
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	0.81%	$2
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	0.81%	$2
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	0.81%	$2
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	0.81%	$2
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	0.81%	$2
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	0.81%	$2
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	0.81%	$2
2033	$995	$2,256	$0	$469	$3,720	6.87%	0.81%	$2
2034	$973	$2,206	$0	$446	$3,625	6.87%	0.81%	$2
2035	$951	$2,157	$0	$424	$3,532	6.87%	0.81%	$2
2036	$930	$2,109	$0	$403	$3,442	6.87%	0.81%	$2
2037	$909	$2,062	$0	$383	$3,354	6.87%	0.81%	$2
2038	$889	$2,016	$0	$364	$3,269	6.87%	0.81%	$2
2039	$869	$1,971	$0	$346	$3,186	6.87%	0.81%	$2
2040	$850	$1,927	$0	$329	$3,106	6.87%	0.81%	$2
2041	$831	$1,884	$0	$313	$3,028	6.87%	0.81%	$2
2042	$813	$1,842	$0	$298	$2,953	6.87%	0.81%	$2
2043	$795	$1,801	$0	$284	$2,880	6.87%	0.81%	$2
2044	$777	$1,761	$0	$270	$2,808	6.87%	0.81%	$2

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	0.81%	$0.11	$18.45	$0	$0
2026	$1.16	$14	0.81%	$0.11	$19.27	$0	$0
2027	$1.21	$15	0.81%	$0.12	$20.12	$0	$0
2028	$1.26	$15	0.81%	$0.12	$21.01	$0	$0
2029	$1.32	$16	0.81%	$0.13	$21.94	$0	$0
2030	$1.38	$17	0.81%	$0.14	$22.92	$0	$0
2031	$1.44	$17	0.81%	$0.14	$23.93	$0	$0
2032	$1.50	$18	0.81%	$0.15	$24.99	$0	$0
2033	$1.57	$19	0.81%	$0.15	$26.10	$0	$0
2034	$1.64	$20	0.81%	$0.16	$27.25	$0	$0
2035	$1.71	$21	0.81%	$0.17	$28.46	$0	$0
2036	$1.79	$21	0.81%	$0.17	$29.72	$0	$0
2037	$1.87	$22	0.81%	$0.18	$31.04	$0	$0
2038	$1.95	$23	0.81%	$0.19	$32.41	$0	$0
2039	$2.04	$24	0.81%	$0.19	$33.85	$0	$0
2040	$2.13	$26	0.81%	$0.21	$35.35	$0	$0
2041	$2.22	$27	0.81%	$0.22	$36.91	$0	$1
2042	$2.32	$28	0.81%	$0.23	$38.55	$0	$1
2043	$2.42	$29	0.81%	$0.23	$40.26	$0	$1
2044	$2.53	$30	0.81%	$0.24	$42.04	$0	$1

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 - Tank (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	$27	$28	$2	$57	$28	$3	$0	$315.26	$347
2026	$28	$30	$2	$59	$30	$2	$0	$0.26	$33
2027	$29	$31	$2	$61	$31	$2	$0	$0.26	$34
2028	$30	$32	$2	$64	$32	$2	$0	$0.26	$35
2029	$31	$33	$2	$66	$33	$2	$0	$0.26	$36
2030	$32	$34	$2	$68	$34	$2	$0	$0.26	$37
2031	$33	$35	$2	$71	$35	$2	$0	$0.26	$38
2032	$35	$37	$2	$73	$37	$2	$0	$0.26	$40
2033	$36	$38	$2	$76	$38	$2	$0	$0.26	$41
2034	$37	$40	$2	$79	$40	$2	$0	$0.26	$42
2035	$39	$41	$2	$82	$41	$2	$0	$0.26	$44
2036	$40	$43	$2	$85	$43	$2	$0	$0.26	$45
2037	$42	$44	$2	$88	$44	$2	$0	$0.26	$47
2038	$43	$46	$2	$91	$46	$2	$0	$0.26	$48
2039	$45	$48	$2	$94	$48	$2	$0	$0.26	$50
2040	$47	$49	$2	$98	$49	$2	$0	$315.26	$367
2041	$48	$51	$2	$101	$51	$2	$1	$0.26	$54
2042	$50	$53	$2	$105	$53	$2	$1	$0.26	$56
2043	$52	$55	$2	$109	$55	$2	$1	$0.26	$58
2044	$54	$57	$2	$113	$57	$2	$1	$0.26	$60

Present Value of Benefits $1,064

Present Value of Costs $1,052

Benefit/Cost Ratio 1.012

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Gas:	Cooking Equipment (1)	
Year:	2025	
CO2:	0.19 tonnes CO2/year	
Allowance:	$315	
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	$315
II.	**Operating Data**	
	Therms Consumed	39
	Total Building Therms	4,815
	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	0.81%
	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 - Tank (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	39	2.5%	$29
2026	$0.7573	39	2.5%	$30
2027	$0.7856	39	2.5%	$31
2028	$0.8150	39	2.5%	$33
2029	$0.8455	39	2.5%	$34
2030	$0.8771	39	2.5%	$35
2031	$0.9099	39	2.5%	$36
2032	$0.9439	39	2.5%	$38
2033	$0.9792	39	2.5%	$39
2034	$1.0159	39	2.5%	$41
2035	$1.0539	39	2.5%	$42
2036	$1.0933	39	2.5%	$44
2037	$1.1342	39	2.5%	$45
2038	$1.1766	39	2.5%	$47
2039	$1.2206	39	2.5%	$49
2040	$1.2662	39	2.5%	$51
2041	$1.3136	39	2.5%	$53
2042	$1.3627	39	2.5%	$54
2043	$1.4137	39	2.5%	$57
2044	$1.4666	39	2.5%	$59

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	39	2.5%	$28
2026	$0.7138	39	2.5%	$29
2027	$0.7405	39	2.5%	$30
2028	$0.7682	39	2.5%	$31
2029	$0.7969	39	2.5%	$32
2030	$0.8268	39	2.5%	$33
2031	$0.8577	39	2.5%	$34
2032	$0.8898	39	2.5%	$36
2033	$0.9230	39	2.5%	$37
2034	$0.9575	39	2.5%	$38
2035	$0.9934	39	2.5%	$40
2036	$1.0305	39	2.5%	$41
2037	$1.0691	39	2.5%	$43
2038	$1.1090	39	2.5%	$44
2039	$1.1505	39	2.5%	$46
2040	$1.1935	39	2.5%	$48
2041	$1.2382	39	2.5%	$49
2042	$1.2845	39	2.5%	$51
2043	$1.3325	39	2.5%	$53
2044	$1.3824	39	2.5%	$55

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	0.81%	2.5%	$2
2026	$18.84	$226.02	0.81%	2.5%	$2
2027	$18.84	$226.02	0.81%	2.5%	$2
2028	$18.84	$226.02	0.81%	2.5%	$2
2029	$18.84	$226.02	0.81%	2.5%	$2
2030	$18.84	$226.02	0.81%	2.5%	$2
2031	$18.84	$226.02	0.81%	2.5%	$2
2032	$18.84	$226.02	0.81%	2.5%	$2
2033	$18.84	$226.02	0.81%	2.5%	$2
2034	$18.84	$226.02	0.81%	2.5%	$2
2035	$18.84	$226.02	0.81%	2.5%	$2
2036	$18.84	$226.02	0.81%	2.5%	$2
2037	$18.84	$226.02	0.81%	2.5%	$2
2038	$18.84	$226.02	0.81%	2.5%	$2
2039	$18.84	$226.02	0.81%	2.5%	$2
2040	$18.84	$226.02	0.81%	2.5%	$2
2041	$18.84	$226.02	0.81%	2.5%	$2
2042	$18.84	$226.02	0.81%	2.5%	$2
2043	$18.84	$226.02	0.81%	2.5%	$2
2044	$18.84	$226.02	0.81%	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 - Tank (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	$315	$0	$407	$919	($1,150)	$811	$18	$29	$28	$2	$657
2026	$95	$0	$0	$95	$0	$0	$0	$19	$30	$29	$2	$80
2027	$99	$0	$0	$99	$0	$0	$0	$20	$31	$30	$2	$83
2028	$103	$0	$0	$103	$0	$0	$0	$21	$33	$31	$2	$86
2029	$107	$0	$0	$107	$0	$0	$0	$22	$34	$32	$2	$89
2030	$111	$0	$0	$111	$0	$0	$0	$23	$35	$33	$2	$93
2031	$115	$0	$0	$115	$0	$0	$0	$24	$36	$34	$2	$96
2032	$120	$0	$0	$120	$0	$0	$0	$25	$38	$36	$2	$100
2033	$125	$0	$0	$125	$0	$0	$0	$26	$39	$37	$2	$104
2034	$129	$0	$0	$129	$0	$0	$0	$27	$41	$38	$2	$108
2035	$134	$0	$0	$134	$0	$0	$0	$28	$42	$40	$2	$112
2036	$140	$0	$0	$140	$0	$0	$0	$30	$44	$41	$2	$116
2037	$145	$0	$0	$145	$0	$0	$0	$31	$45	$43	$2	$121
2038	$151	$0	$0	$151	$0	$0	$0	$32	$47	$44	$2	$126
2039	$157	$0	$0	$157	$0	$0	$0	$34	$49	$46	$2	$131
2040	$163	$315	$0	$478	$1,761	($2,136)	$356	$35	$51	$48	$2	$116
2041	$169	$0	$0	$169	$0	$0	$0	$37	$53	$49	$2	$141
2042	$176	$0	$0	$176	$0	$0	$0	$39	$54	$51	$2	$146
2043	$182	$0	$0	$182	$0	$0	$0	$40	$57	$53	$2	$152
2044	$189	$0	$0	$189	$0	$0	$0	$42	$59	$55	$2	$158

Present Value of Benefits $2,228

Present Value of Costs $2,030

Benefit/Cost Ratio 1.10

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 - Tank (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	39	$0.6881	$27
2026	39	$0.7138	$28
2027	39	$0.7405	$29
2028	39	$0.7682	$30
2029	39	$0.7969	$31
2030	39	$0.8268	$32
2031	39	$0.8577	$33
2032	39	$0.8898	$35
2033	39	$0.9230	$36
2034	39	$0.9575	$37
2035	39	$0.9934	$39
2036	39	$1.0305	$40
2037	39	$1.0691	$42
2038	39	$1.1090	$43
2039	39	$1.1505	$45
2040	39	$1.1935	$47
2041	39	$1.2382	$48
2042	39	$1.2845	$50
2043	39	$1.3325	$52
2044	39	$1.3824	$54

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	39	$0.7300	$28
2026	39	$0.7573	$30
2027	39	$0.7856	$31
2028	39	$0.8150	$32
2029	39	$0.8455	$33
2030	39	$0.8771	$34
2031	39	$0.9099	$35
2032	39	$0.9439	$37
2033	39	$0.9792	$38
2034	39	$1.0159	$40
2035	39	$1.0539	$41
2036	39	$1.0933	$43
2037	39	$1.1342	$44
2038	39	$1.1766	$46
2039	39	$1.2206	$48
2040	39	$1.2662	$49
2041	39	$1.3136	$51
2042	39	$1.3627	$53
2043	39	$1.4137	$55
2044	39	$1.4666	$57

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 - Tank (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	0.81%	$2
2026	$18.84	$226.02	0.81%	$2
2027	$18.84	$226.02	0.81%	$2
2028	$18.84	$226.02	0.81%	$2
2029	$18.84	$226.02	0.81%	$2
2030	$18.84	$226.02	0.81%	$2
2031	$18.84	$226.02	0.81%	$2
2032	$18.84	$226.02	0.81%	$2
2033	$18.84	$226.02	0.81%	$2
2034	$18.84	$226.02	0.81%	$2
2035	$18.84	$226.02	0.81%	$2
2036	$18.84	$226.02	0.81%	$2
2037	$18.84	$226.02	0.81%	$2
2038	$18.84	$226.02	0.81%	$2
2039	$18.84	$226.02	0.81%	$2
2040	$18.84	$226.02	0.81%	$2
2041	$18.84	$226.02	0.81%	$2
2042	$18.84	$226.02	0.81%	$2
2043	$18.84	$226.02	0.81%	$2
2044	$18.84	$226.02	0.81%	$2

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	39	$0.7300	$28
2026	39	$0.7573	$30
2027	39	$0.7856	$31
2028	39	$0.8150	$32
2029	39	$0.8455	$33
2030	39	$0.8771	$34
2031	39	$0.9099	$35
2032	39	$0.9439	$37
2033	39	$0.9792	$38
2034	39	$1.0159	$40
2035	39	$1.0539	$41
2036	39	$1.0933	$43
2037	39	$1.1342	$44
2038	39	$1.1766	$46
2039	39	$1.2206	$48
2040	39	$1.2662	$49
2041	39	$1.3136	$51
2042	39	$1.3627	$53
2043	39	$1.4137	$55
2044	39	$1.4666	$57

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 - Tank (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%	0.81%	$3
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	0.81%	$2
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	0.81%	$2
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	0.81%	$2
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	0.81%	$2
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	0.81%	$2
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	0.81%	$2
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	0.81%	$2
2033	$995	$2,256	$0	$469	$3,720	6.87%	0.81%	$2
2034	$973	$2,206	$0	$446	$3,625	6.87%	0.81%	$2
2035	$951	$2,157	$0	$424	$3,532	6.87%	0.81%	$2
2036	$930	$2,109	$0	$403	$3,442	6.87%	0.81%	$2
2037	$909	$2,062	$0	$383	$3,354	6.87%	0.81%	$2
2038	$889	$2,016	$0	$364	$3,269	6.87%	0.81%	$2
2039	$869	$1,971	$0	$346	$3,186	6.87%	0.81%	$2
2040	$850	$1,927	$0	$329	$3,106	6.87%	0.81%	$2
2041	$831	$1,884	$0	$313	$3,028	6.87%	0.81%	$2
2042	$813	$1,842	$0	$298	$2,953	6.87%	0.81%	$2
2043	$795	$1,801	$0	$284	$2,880	6.87%	0.81%	$2
2044	$777	$1,761	$0	$270	$2,808	6.87%	0.81%	$2

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	0.81%	$0.11	$18.45	$0	$0
2026	$1.16	$14	0.81%	$0.11	$19.27	$0	$0
2027	$1.21	$15	0.81%	$0.12	$20.12	$0	$0
2028	$1.26	$15	0.81%	$0.12	$21.01	$0	$0
2029	$1.32	$16	0.81%	$0.13	$21.94	$0	$0
2030	$1.38	$17	0.81%	$0.14	$22.92	$0	$0
2031	$1.44	$17	0.81%	$0.14	$23.93	$0	$0
2032	$1.50	$18	0.81%	$0.15	$24.99	$0	$0
2033	$1.57	$19	0.81%	$0.15	$26.10	$0	$0
2034	$1.64	$20	0.81%	$0.16	$27.25	$0	$0
2035	$1.71	$21	0.81%	$0.17	$28.46	$0	$0
2036	$1.79	$21	0.81%	$0.17	$29.72	$0	$0
2037	$1.87	$22	0.81%	$0.18	$31.04	$0	$0
2038	$1.95	$23	0.81%	$0.19	$32.41	$0	$0
2039	$2.04	$24	0.81%	$0.19	$33.85	$0	$0
2040	$2.13	$26	0.81%	$0.21	$35.35	$0	$0
2041	$2.22	$27	0.81%	$0.22	$36.91	$0	$1
2042	$2.32	$28	0.81%	$0.23	$38.55	$0	$1
2043	$2.42	$29	0.81%	$0.23	$40.26	$0	$1
2044	$2.53	$30	0.81%	$0.24	$42.04	$0	$1

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 - Tank (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	$27	$28	$2	$57	$28	$3	$0	$315.03	$346
2026	$28	$30	$2	$59	$30	$2	$0	$0.03	$32
2027	$29	$31	$2	$61	$31	$2	$0	$0.03	$33
2028	$30	$32	$2	$64	$32	$2	$0	$0.03	$34
2029	$31	$33	$2	$66	$33	$2	$0	$0.03	$36
2030	$32	$34	$2	$68	$34	$2	$0	$0.03	$37
2031	$33	$35	$2	$71	$35	$2	$0	$0.03	$38
2032	$35	$37	$2	$73	$37	$2	$0	$0.03	$39
2033	$36	$38	$2	$76	$38	$2	$0	$0.03	$41
2034	$37	$40	$2	$79	$40	$2	$0	$0.03	$42
2035	$39	$41	$2	$82	$41	$2	$0	$0.03	$43
2036	$40	$43	$2	$85	$43	$2	$0	$0.03	$45
2037	$42	$44	$2	$88	$44	$2	$0	$0.03	$47
2038	$43	$46	$2	$91	$46	$2	$0	$0.03	$48
2039	$45	$48	$2	$94	$48	$2	$0	$0.03	$50
2040	$47	$49	$2	$98	$49	$2	$0	$315.03	$367
2041	$48	$51	$2	$101	$51	$2	$1	$0.03	$53
2042	$50	$53	$2	$105	$53	$2	$1	$0.03	$55
2043	$52	$55	$2	$109	$55	$2	$1	$0.03	$57
2044	$54	$57	$2	$113	$57	$2	$1	$0.03	$59

Present Value of Benefits **$1,064**

Present Value of Costs **$1,049**

Benefit/Cost Ratio **1.015**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Gas:	Cooking Equipment (1)	
Year:	2025	
CO2:	0.19 tonnes CO2/year	
Allowance:	$315	
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	$315
II.	**Operating Data**	
	Therms Consumed	39
	Total Building Therms	4,815
	O&M (excluding energy)	$0
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	0.81%
	EC Program Adm. Cost	$0.05
IV.	**New Customer Installation Costs**	
	Supply Main	$0
	Development Main	$0
	Service	$0
	Meter	$0
	Total	$0
V.	**New Customer Admin. Cost $/month**	$0.00

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 - Tank (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	39	2.5%	$29
2026	$0.7573	39	2.5%	$30
2027	$0.7856	39	2.5%	$31
2028	$0.8150	39	2.5%	$33
2029	$0.8455	39	2.5%	$34
2030	$0.8771	39	2.5%	$35
2031	$0.9099	39	2.5%	$36
2032	$0.9439	39	2.5%	$38
2033	$0.9792	39	2.5%	$39
2034	$1.0159	39	2.5%	$41
2035	$1.0539	39	2.5%	$42
2036	$1.0933	39	2.5%	$44
2037	$1.1342	39	2.5%	$45
2038	$1.1766	39	2.5%	$47
2039	$1.2206	39	2.5%	$49
2040	$1.2662	39	2.5%	$51
2041	$1.3136	39	2.5%	$53
2042	$1.3627	39	2.5%	$54
2043	$1.4137	39	2.5%	$57
2044	$1.4666	39	2.5%	$59

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	39	2.5%	$28
2026	$0.7138	39	2.5%	$29
2027	$0.7405	39	2.5%	$30
2028	$0.7682	39	2.5%	$31
2029	$0.7969	39	2.5%	$32
2030	$0.8268	39	2.5%	$33
2031	$0.8577	39	2.5%	$34
2032	$0.8898	39	2.5%	$36
2033	$0.9230	39	2.5%	$37
2034	$0.9575	39	2.5%	$38
2035	$0.9934	39	2.5%	$40
2036	$1.0305	39	2.5%	$41
2037	$1.0691	39	2.5%	$43
2038	$1.1090	39	2.5%	$44
2039	$1.1505	39	2.5%	$46
2040	$1.1935	39	2.5%	$48
2041	$1.2382	39	2.5%	$49
2042	$1.2845	39	2.5%	$51
2043	$1.3325	39	2.5%	$53
2044	$1.3824	39	2.5%	$55

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	0.81%	2.5%	$2
2026	$18.84	$226.02	0.81%	2.5%	$2
2027	$18.84	$226.02	0.81%	2.5%	$2
2028	$18.84	$226.02	0.81%	2.5%	$2
2029	$18.84	$226.02	0.81%	2.5%	$2
2030	$18.84	$226.02	0.81%	2.5%	$2
2031	$18.84	$226.02	0.81%	2.5%	$2
2032	$18.84	$226.02	0.81%	2.5%	$2
2033	$18.84	$226.02	0.81%	2.5%	$2
2034	$18.84	$226.02	0.81%	2.5%	$2
2035	$18.84	$226.02	0.81%	2.5%	$2
2036	$18.84	$226.02	0.81%	2.5%	$2
2037	$18.84	$226.02	0.81%	2.5%	$2
2038	$18.84	$226.02	0.81%	2.5%	$2
2039	$18.84	$226.02	0.81%	2.5%	$2
2040	$18.84	$226.02	0.81%	2.5%	$2
2041	$18.84	$226.02	0.81%	2.5%	$2
2042	$18.84	$226.02	0.81%	2.5%	$2
2043	$18.84	$226.02	0.81%	2.5%	$2
2044	$18.84	$226.02	0.81%	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 - Tank (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	$315	$0	$407	$919	($1,150)	$811	$0	$29	$28	$2	$639
2026	$95	$0	$0	$95	$0	$0	$0	$0	$30	$29	$2	$61
2027	$99	$0	$0	$99	$0	$0	$0	$0	$31	$30	$2	$63
2028	$103	$0	$0	$103	$0	$0	$0	$0	$33	$31	$2	$65
2029	$107	$0	$0	$107	$0	$0	$0	$0	$34	$32	$2	$68
2030	$111	$0	$0	$111	$0	$0	$0	$0	$35	$33	$2	$70
2031	$115	$0	$0	$115	$0	$0	$0	$0	$36	$34	$2	$73
2032	$120	$0	$0	$120	$0	$0	$0	$0	$38	$36	$2	$75
2033	$125	$0	$0	$125	$0	$0	$0	$0	$39	$37	$2	$78
2034	$129	$0	$0	$129	$0	$0	$0	$0	$41	$38	$2	$81
2035	$134	$0	$0	$134	$0	$0	$0	$0	$42	$40	$2	$84
2036	$140	$0	$0	$140	$0	$0	$0	$0	$44	$41	$2	$87
2037	$145	$0	$0	$145	$0	$0	$0	$0	$45	$43	$2	$90
2038	$151	$0	$0	$151	$0	$0	$0	$0	$47	$44	$2	$93
2039	$157	$0	$0	$157	$0	$0	$0	$0	$49	$46	$2	$97
2040	$163	$315	$0	$478	$1,761	($2,136)	$356	$0	$51	$48	$2	$81
2041	$169	$0	$0	$169	$0	$0	$0	$0	$53	$49	$2	$104
2042	$176	$0	$0	$176	$0	$0	$0	$0	$54	$51	$2	$108
2043	$182	$0	$0	$182	$0	$0	$0	$0	$57	$53	$2	$112
2044	$189	$0	$0	$189	$0	$0	$0	$0	$59	$55	$2	$116

Present Value of Benefits $2,228

Present Value of Costs $1,661

Benefit/Cost Ratio 1.34

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 - Tank (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 Year	2 Therms	3 Base Rate	2*3 Total Charge
2025	39	$0.6881	$27
2026	39	$0.7138	$28
2027	39	$0.7405	$29
2028	39	$0.7682	$30
2029	39	$0.7969	$31
2030	39	$0.8268	$32
2031	39	$0.8577	$33
2032	39	$0.8898	$35
2033	39	$0.9230	$36
2034	39	$0.9575	$37
2035	39	$0.9934	$39
2036	39	$1.0305	$40
2037	39	$1.0691	$42
2038	39	$1.1090	$43
2039	39	$1.1505	$45
2040	39	$1.1935	$47
2041	39	$1.2382	$48
2042	39	$1.2845	$50
2043	39	$1.3325	$52
2044	39	$1.3824	$54

Table 1a

Revenue - Cost of Gas

1 Year	2 Therms	3 Fuel Rate	2*3 Total Charge
2025	39	$0.7300	$28
2026	39	$0.7573	$30
2027	39	$0.7856	$31
2028	39	$0.8150	$32
2029	39	$0.8455	$33
2030	39	$0.8771	$34
2031	39	$0.9099	$35
2032	39	$0.9439	$37
2033	39	$0.9792	$38
2034	39	$1.0159	$40
2035	39	$1.0539	$41
2036	39	$1.0933	$43
2037	39	$1.1342	$44
2038	39	$1.1766	$46
2039	39	$1.2206	$48
2040	39	$1.2662	$49
2041	39	$1.3136	$51
2042	39	$1.3627	$53
2043	39	$1.4137	$55
2044	39	$1.4666	$57

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 - Tank (1), Pool Heating (1), Furnace (1), Clothes Drying (1)

Table 2

Revenue - Customer Charge

1 Year	2 Monthly Customer Charge	3 Annual Customer Charge	4 Ratio Therms To Total Consumed	3*4 Prorated Annual Customer Charge
2025	$18.84	$226.02	0.81%	$2
2026	$18.84	$226.02	0.81%	$2
2027	$18.84	$226.02	0.81%	$2
2028	$18.84	$226.02	0.81%	$2
2029	$18.84	$226.02	0.81%	$2
2030	$18.84	$226.02	0.81%	$2
2031	$18.84	$226.02	0.81%	$2
2032	$18.84	$226.02	0.81%	$2
2033	$18.84	$226.02	0.81%	$2
2034	$18.84	$226.02	0.81%	$2
2035	$18.84	$226.02	0.81%	$2
2036	$18.84	$226.02	0.81%	$2
2037	$18.84	$226.02	0.81%	$2
2038	$18.84	$226.02	0.81%	$2
2039	$18.84	$226.02	0.81%	$2
2040	$18.84	$226.02	0.81%	$2
2041	$18.84	$226.02	0.81%	$2
2042	$18.84	$226.02	0.81%	$2
2043	$18.84	$226.02	0.81%	$2
2044	$18.84	$226.02	0.81%	$2

Table 3

Gas Costs

1 Year	2 Therms	3 Gas Supply Rate	2*3 Gas Supply Cost
2025	39	$0.7300	$28
2026	39	$0.7573	$30
2027	39	$0.7856	$31
2028	39	$0.8150	$32
2029	39	$0.8455	$33
2030	39	$0.8771	$34
2031	39	$0.9099	$35
2032	39	$0.9439	$37
2033	39	$0.9792	$38
2034	39	$1.0159	$40
2035	39	$1.0539	$41
2036	39	$1.0933	$43
2037	39	$1.1342	$44
2038	39	$1.1766	$46
2039	39	$1.2206	$48
2040	39	$1.2662	$49
2041	39	$1.3136	$51
2042	39	$1.3627	$53
2043	39	$1.4137	$55
2044	39	$1.4666	$57

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 - Tank (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	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2026	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2027	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2028	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2029	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2030	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2031	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2032	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2033	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2034	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2035	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2036	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2037	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2038	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2039	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2040	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2041	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2042	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2043	$0	$0	$0	$0	$0	6.87%	0.81%	$0
2044	$0	$0	$0	$0	$0	6.87%	0.81%	$0

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	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2026	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2027	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2028	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2029	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2030	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2031	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2032	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2033	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2034	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2035	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2036	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2037	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2038	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2039	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2040	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2041	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2042	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2043	$0.00	$0	0.81%	$0.00	$0.00	$0	$0
2044	$0.00	$0	0.81%	$0.00	$0.00	$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 - Tank (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	$27	$28	$2	$57	$28	$0	$0	$315.05	$344
2026	$28	$30	$2	$59	$30	$0	$0	$0.05	$30
2027	$29	$31	$2	$61	$31	$0	$0	$0.05	$31
2028	$30	$32	$2	$64	$32	$0	$0	$0.05	$32
2029	$31	$33	$2	$66	$33	$0	$0	$0.05	$33
2030	$32	$34	$2	$68	$34	$0	$0	$0.05	$34
2031	$33	$35	$2	$71	$35	$0	$0	$0.05	$36
2032	$35	$37	$2	$73	$37	$0	$0	$0.05	$37
2033	$36	$38	$2	$76	$38	$0	$0	$0.05	$38
2034	$37	$40	$2	$79	$40	$0	$0	$0.05	$40
2035	$39	$41	$2	$82	$41	$0	$0	$0.05	$41
2036	$40	$43	$2	$85	$43	$0	$0	$0.05	$43
2037	$42	$44	$2	$88	$44	$0	$0	$0.05	$44
2038	$43	$46	$2	$91	$46	$0	$0	$0.05	$46
2039	$45	$48	$2	$94	$48	$0	$0	$0.05	$48
2040	$47	$49	$2	$98	$49	$0	$0	$315.05	$364
2041	$48	$51	$2	$101	$51	$0	$0	$0.05	$51
2042	$50	$53	$2	$105	$53	$0	$0	$0.05	$53
2043	$52	$55	$2	$109	$55	$0	$0	$0.05	$55
2044	$54	$57	$2	$113	$57	$0	$0	$0.05	$57

Present Value of Benefits $1,064

Present Value of Costs $1,015

Benefit/Cost Ratio 1.049

Residential Gas Clothes Drying Rebate Program Executive Summary

Program Highlights

Annual consumption assumption: **24 therms.**

Average clothes dryer life: **18 years**; evaluated over a 20-year cost-effectiveness period. Two rebate and installation events are incorporated into the Participant Test and G-RIM analyses.

Updated installation costs have been incorporated.

All three program scenarios pass both the Participant Test and G-RIM.

Program	Rebate	PT	G-RIM	Result
New Construction	$200	1.802	1.015	PASS
Retention	$175	1.778	1.119	PASS
Retrofit	$200	1.802	1.020	PASS

The proposed clothes drying rebate portfolio demonstrates favorable cost-effectiveness for New Construction, Retention, and Retrofit applications while reflecting updated installation costs and an 18-year equipment life evaluated over a 20-year analysis period. The revised assumptions support inclusion in the amended petition.

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (1)

Gas:	Clothes Drying (1)	
Year:	2025	
CO2:	0.12 tonnes CO2/year	
Allowance:	$200	
Gas Utility:	Average	
I.	**Installed Cost Data**	
	Equipment	$799
	Installation	$1,260
	Total Customer Cost	$2,059
	Replacement Installation	$710
	Total Replacement (incl Equip)	$1,509
	Utility Rebate	$200
II.	**Operating Data**	
	Therms Consumed	24
	Total Building Therms	4,817
	O&M (excluding energy)	[redacted] $0
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)	18
	Appliance Therms /Total Therms	0.50%
	EC Program Adm. Cost	$0.26
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:	Clothes Drying (1)	
CO2:	0.56 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	**Electric Cost Data**	
	Equipment	$629
	Installation	$710
	Breaker and Wiring Savings	$35
	Total Customer Cost	$1,374
VII.	**Energy Conserved Data**	
	Monthly Demand kW	0.0
	Annual kWh	792
	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	18

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Clothes Drying (1)

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	792	$0.00	0.00	2.6%	$129
2026	$0.1651	792	$0.00	0.00	2.6%	$134
2027	$0.1715	792	$0.00	0.00	2.6%	$139
2028	$0.1781	792	$0.00	0.00	2.6%	$145
2029	$0.1850	792	$0.00	0.00	2.6%	$150
2030	$0.1922	792	$0.00	0.00	2.6%	$156
2031	$0.1997	792	$0.00	0.00	2.6%	$162
2032	$0.2074	792	$0.00	0.00	2.6%	$169
2033	$0.2155	792	$0.00	0.00	2.6%	$175
2034	$0.2238	792	$0.00	0.00	2.6%	$182
2035	$0.2325	792	$0.00	0.00	2.6%	$189
2036	$0.2415	792	$0.00	0.00	2.6%	$196
2037	$0.2509	792	$0.00	0.00	2.6%	$204
2038	$0.2607	792	$0.00	0.00	2.6%	$212
2039	$0.2708	792	$0.00	0.00	2.6%	$220
2040	$0.2813	792	$0.00	0.00	2.6%	$229
2041	$0.2922	792	$0.00	0.00	2.6%	$238
2042	$0.3035	792	$0.00	0.00	2.6%	$247
2043	$0.3153	792	$0.00	0.00	2.6%	$256
2044	$0.3275	792	$0.00	0.00	2.6%	$266

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	24	2.5%	$18
2026	$0.7573	24	2.5%	$19
2027	$0.7856	24	2.5%	$19
2028	$0.8150	24	2.5%	$20
2029	$0.8455	24	2.5%	$21
2030	$0.8771	24	2.5%	$22
2031	$0.9099	24	2.5%	$22
2032	$0.9439	24	2.5%	$23
2033	$0.9792	24	2.5%	$24
2034	$1.0159	24	2.5%	$25
2035	$1.0539	24	2.5%	$26
2036	$1.0933	24	2.5%	$27
2037	$1.1342	24	2.5%	$28
2038	$1.1766	24	2.5%	$29
2039	$1.2206	24	2.5%	$30
2040	$1.2662	24	2.5%	$31
2041	$1.3136	24	2.5%	$32
2042	$1.3627	24	2.5%	$34
2043	$1.4137	24	2.5%	$35
2044	$1.4666	24	2.5%	$36

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	24	2.5%	$17
2026	$0.7138	24	2.5%	$18
2027	$0.7405	24	2.5%	$18
2028	$0.7682	24	2.5%	$19
2029	$0.7969	24	2.5%	$20
2030	$0.8268	24	2.5%	$20
2031	$0.8577	24	2.5%	$21
2032	$0.8898	24	2.5%	$22
2033	$0.9230	24	2.5%	$23
2034	$0.9575	24	2.5%	$24
2035	$0.9934	24	2.5%	$24
2036	$1.0305	24	2.5%	$25
2037	$1.0691	24	2.5%	$26
2038	$1.1090	24	2.5%	$27
2039	$1.1505	24	2.5%	$28
2040	$1.1935	24	2.5%	$29
2041	$1.2382	24	2.5%	$30
2042	$1.2845	24	2.5%	$32
2043	$1.3325	24	2.5%	$33
2044	$1.3824	24	2.5%	$34

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	0.50%	2.5%	$1
2026	$18.84	$226.02	0.50%	2.5%	$1
2027	$18.84	$226.02	0.50%	2.5%	$1
2028	$18.84	$226.02	0.50%	2.5%	$1
2029	$18.84	$226.02	0.50%	2.5%	$1
2030	$18.84	$226.02	0.50%	2.5%	$1
2031	$18.84	$226.02	0.50%	2.5%	$1
2032	$18.84	$226.02	0.50%	2.5%	$1
2033	$18.84	$226.02	0.50%	2.5%	$1
2034	$18.84	$226.02	0.50%	2.5%	$1
2035	$18.84	$226.02	0.50%	2.5%	$1
2036	$18.84	$226.02	0.50%	2.5%	$1
2037	$18.84	$226.02	0.50%	2.5%	$1
2038	$18.84	$226.02	0.50%	2.5%	$1
2039	$18.84	$226.02	0.50%	2.5%	$1
2040	$18.84	$226.02	0.50%	2.5%	$1
2041	$18.84	$226.02	0.50%	2.5%	$1
2042	$18.84	$226.02	0.50%	2.5%	$1
2043	$18.84	$226.02	0.50%	2.5%	$1
2044	$18.84	$226.02	0.50%	2.5%	$1

Participants Test - Results

Appliance Type:
Clothes Drying (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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 I								Table 2	Table 3	Table 4	
1	3	4	5	3 thru 5	7	8	9	10	11	12	13	7 thru 13
2025	$129	$200	$0	$329	$799	($1,374)	$1,260	$0	$18	$17	$1	$721
2026	$134	$0	$0	$134	$0	$0	$0	$0	$19	$18	$1	$37
2027	$139	$0	$0	$139	$0	$0	$0	$0	$19	$18	$1	$39
2028	$145	$0	$0	$145	$0	$0	$0	$0	$20	$19	$1	$40
2029	$150	$0	$0	$150	$0	$0	$0	$0	$21	$20	$1	$42
2030	$156	$0	$0	$156	$0	$0	$0	$0	$22	$20	$1	$43
2031	$162	$0	$0	$162	$0	$0	$0	$0	$22	$21	$1	$45
2032	$169	$0	$0	$169	$0	$0	$0	$0	$23	$22	$1	$46
2033	$175	$0	$0	$175	$0	$0	$0	$0	$24	$23	$1	$48
2034	$182	$0	$0	$182	$0	$0	$0	$0	$25	$24	$1	$50
2035	$189	$0	$0	$189	$0	$0	$0	$0	$26	$24	$1	$52
2036	$196	$0	$0	$196	$0	$0	$0	$0	$27	$25	$1	$53
2037	$204	$0	$0	$204	$0	$0	$0	$0	$28	$26	$1	$55
2038	$212	$0	$0	$212	$0	$0	$0	$0	$29	$27	$1	$57
2039	$220	$0	$0	$220	$0	$0	$0	$0	$30	$28	$1	$59
2040	$229	$0	$0	$229	$0	$0	$0	$0	$31	$29	$1	$62
2041	$238	$0	$0	$238	$0	$0	$0	$0	$32	$30	$1	$64
2042	$247	$0	$0	$247	$0	$0	$0	$0	$34	$32	$1	$66
2043	$256	$200	$0	$456	$1,743	($2,922)	$1,549	$0	$35	$33	$1	$440
2044	$266	$0	$0	$266	$0	$0	$0	$0	$36	$34	$1	$71

Present Value of Benefits $2,750

Present Value of Costs $1,526

Benefit/Cost Ratio 1.80

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Residential

Other Equipment Included In Analysis. Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	24	$0.6881	$17
2026	24	$0.7138	$17
2027	24	$0.7405	$18
2028	24	$0.7682	$18
2029	24	$0.7969	$19
2030	24	$0.8268	$20
2031	24	$0.8577	$21
2032	24	$0.8898	$21
2033	24	$0.9230	$22
2034	24	$0.9575	$23
2035	24	$0.9934	$24
2036	24	$1.0305	$25
2037	24	$1.0691	$26
2038	24	$1.1090	$27
2039	24	$1.1505	$28
2040	24	$1.1935	$29
2041	24	$1.2382	$30
2042	24	$1.2845	$31
2043	24	$1.3325	$32
2044	24	$1.3824	$33

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	24	$0.7300	$18
2026	24	$0.7573	$18
2027	24	$0.7856	$19
2028	24	$0.8150	$20
2029	24	$0.8455	$20
2030	24	$0.8771	$21
2031	24	$0.9099	$22
2032	24	$0.9439	$23
2033	24	$0.9792	$24
2034	24	$1.0159	$24
2035	24	$1.0539	$25
2036	24	$1.0933	$26
2037	24	$1.1342	$27
2038	24	$1.1766	$28
2039	24	$1.2206	$29
2040	24	$1.2662	$30
2041	24	$1.3136	$32
2042	24	$1.3627	$33
2043	24	$1.4137	$34
2044	24	$1.4666	$35

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Large Commercial Hospitality

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	0.50%	$1
2026	$18.84	$226.02	0.50%	$1
2027	$18.84	$226.02	0.50%	$1
2028	$18.84	$226.02	0.50%	$1
2029	$18.84	$226.02	0.50%	$1
2030	$18.84	$226.02	0.50%	$1
2031	$18.84	$226.02	0.50%	$1
2032	$18.84	$226.02	0.50%	$1
2033	$18.84	$226.02	0.50%	$1
2034	$18.84	$226.02	0.50%	$1
2035	$18.84	$226.02	0.50%	$1
2036	$18.84	$226.02	0.50%	$1
2037	$18.84	$226.02	0.50%	$1
2038	$18.84	$226.02	0.50%	$1
2039	$18.84	$226.02	0.50%	$1
2040	$18.84	$226.02	0.50%	$1
2041	$18.84	$226.02	0.50%	$1
2042	$18.84	$226.02	0.50%	$1
2043	$18.84	$226.02	0.50%	$1
2044	$18.84	$226.02	0.50%	$1

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	24	$0.7300	$18
2026	24	$0.7573	$18
2027	24	$0.7856	$19
2028	24	$0.8150	$20
2029	24	$0.8455	$20
2030	24	$0.8771	$21
2031	24	$0.9099	$22
2032	24	$0.9439	$23
2033	24	$0.9792	$24
2034	24	$1.0159	$24
2035	24	$1.0539	$25
2036	24	$1.0933	$26
2037	24	$1.1342	$27
2038	24	$1.1766	$28
2039	24	$1.2206	$29
2040	24	$1.2662	$30
2041	24	$1.3136	$32
2042	24	$1.3627	$33
2043	24	$1.4137	$34
2044	24	$1.4666	$35

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Large Commercial Hospitality

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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%	0.50%	$2
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	0.50%	$2
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	0.50%	$1
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	0.50%	$1
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	0.50%	$1
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	0.50%	$1
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	0.50%	$1
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	0.50%	$1
2033	$995	$2,256	$0	$469	$3,720	6.87%	0.50%	$1
2034	$973	$2,206	$0	$446	$3,625	6.87%	0.50%	$1
2035	$951	$2,157	$0	$424	$3,532	6.87%	0.50%	$1
2036	$930	$2,109	$0	$403	$3,442	6.87%	0.50%	$1
2037	$909	$2,062	$0	$383	$3,354	6.87%	0.50%	$1
2038	$889	$2,016	$0	$364	$3,269	6.87%	0.50%	$1
2039	$869	$1,971	$0	$346	$3,186	6.87%	0.50%	$1
2040	$850	$1,927	$0	$329	$3,106	6.87%	0.50%	$1
2041	$831	$1,884	$0	$313	$3,028	6.87%	0.50%	$1
2042	$813	$1,842	$0	$298	$2,953	6.87%	0.50%	$1
2043	$795	$1,801	$0	$284	$2,880	6.87%	0.50%	$1
2044	$777	$1,761	$0	$270	$2,808	6.87%	0.50%	$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	0.50%	$0.06	$18.45	$0	$0
2026	$1.16	$14	0.50%	$0.07	$19.27	$0	$0
2027	$1.21	$15	0.50%	$0.07	$20.12	$0	$0
2028	$1.26	$15	0.50%	$0.07	$21.01	$0	$0
2029	$1.32	$16	0.50%	$0.08	$21.94	$0	$0
2030	$1.38	$17	0.50%	$0.08	$22.92	$0	$0
2031	$1.44	$17	0.50%	$0.08	$23.93	$0	$0
2032	$1.50	$18	0.50%	$0.09	$24.99	$0	$0
2033	$1.57	$19	0.50%	$0.09	$26.10	$0	$0
2034	$1.64	$20	0.50%	$0.10	$27.25	$0	$0
2035	$1.71	$21	0.50%	$0.10	$28.46	$0	$0
2036	$1.79	$21	0.50%	$0.10	$29.72	$0	$0
2037	$1.87	$22	0.50%	$0.11	$31.04	$0	$0
2038	$1.95	$23	0.50%	$0.11	$32.41	$0	$0
2039	$2.04	$24	0.50%	$0.12	$33.85	$0	$0
2040	$2.13	$26	0.50%	$0.13	$35.35	$0	$0
2041	$2.22	$27	0.50%	$0.13	$36.91	$0	$0
2042	$2.32	$28	0.50%	$0.14	$38.55	$0	$0
2043	$2.42	$29	0.50%	$0.14	$40.26	$0	$0
2044	$2.53	$30	0.50%	$0.15	$42.04	$0	$0

RIM Test - Results

Appliance Type
Clothes Drying (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	$17	$18	$1	$35	$18	$2	$0	$200.26	$220
2026	$17	$18	$1	$36	$18	$2	$0	$0.26	$20
2027	$18	$19	$1	$38	$19	$1	$0	$0.26	$21
2028	$18	$20	$1	$39	$20	$1	$0	$0.26	$21
2029	$19	$20	$1	$41	$20	$1	$0	$0.26	$22
2030	$20	$21	$1	$42	$21	$1	$0	$0.26	$23
2031	$21	$22	$1	$44	$22	$1	$0	$0.26	$24
2032	$21	$23	$1	$45	$23	$1	$0	$0.26	$24
2033	$22	$24	$1	$47	$24	$1	$0	$0.26	$25
2034	$23	$24	$1	$48	$24	$1	$0	$0.26	$26
2035	$24	$25	$1	$50	$25	$1	$0	$0.26	$27
2036	$25	$26	$1	$52	$26	$1	$0	$0.26	$28
2037	$26	$27	$1	$54	$27	$1	$0	$0.26	$29
2038	$27	$28	$1	$56	$28	$1	$0	$0.26	$30
2039	$28	$29	$1	$58	$29	$1	$0	$0.26	$31
2040	$29	$30	$1	$60	$30	$1	$0	$0.26	$32
2041	$30	$32	$1	$62	$32	$1	$0	$0.26	$33
2042	$31	$33	$1	$65	$33	$1	$0	$0.26	$34
2043	$32	$34	$1	$67	$34	$1	$0	$200.26	$236
2044	$33	$35	$1	$70	$35	$1	$0	$0.26	$37

Present Value of Benefits $655

Present Value of Costs $645

Benefit/Cost Ratio 1.02

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (1)

Gas:	Clothes Drying (1)	
Year:	2025	
CO2:	0.12 tonnes CO2/year	
Allowance:	$175	
Gas Utility:	Average	
I.	**Installed Cost Data**	
	Equipment	$799
	Installation	$1,260
	Total Customer Cost	$2,059
	Replacement Installation	$710
	Total Replacement (incl Equip)	$1,509
	Utility Rebate	$175
II.	**Operating Data**	
	Therms Consumed	24
	Total Building Therms	4,817
	O&M (excluding energy)	$0
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)	18
	Appliance Therms /Total Therms	0.50%
	EC Program Adm. Cost	$0.05
IV.	**New Customer Installation Costs**	
	Supply Main	$0
	Development Main	$0
	Service	$0
	Meter	$0
	Total	$0
V.	**New Customer Admin. Cost $/month**	$0.00

Elec:	Clothes Drying (1)	
CO2:	0.56 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	**Electric Cost Data**	
	Equipment	$629
	Installation	$710
	Breaker and Wiring Savings	$35
	Total Customer Cost	$1,374
VII.	**Energy Conserved Data**	
	Monthly Demand kW	0.0
	Annual kWh	792
	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	18

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Clothes Drying (1)

Other Equipment Included in Analysis: Water Heatng - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	792	$0.00	0.00	2.6%	$129
2026	$0.1651	792	$0.00	0.00	2.6%	$134
2027	$0.1715	792	$0.00	0.00	2.6%	$139
2028	$0.1781	792	$0.00	0.00	2.6%	$145
2029	$0.1850	792	$0.00	0.00	2.6%	$150
2030	$0.1922	792	$0.00	0.00	2.6%	$156
2031	$0.1997	792	$0.00	0.00	2.6%	$162
2032	$0.2074	792	$0.00	0.00	2.6%	$169
2033	$0.2155	792	$0.00	0.00	2.6%	$175
2034	$0.2238	792	$0.00	0.00	2.6%	$182
2035	$0.2325	792	$0.00	0.00	2.6%	$189
2036	$0.2415	792	$0.00	0.00	2.6%	$196
2037	$0.2509	792	$0.00	0.00	2.6%	$204
2038	$0.2607	792	$0.00	0.00	2.6%	$212
2039	$0.2708	792	$0.00	0.00	2.6%	$220
2040	$0.2813	792	$0.00	0.00	2.6%	$229
2041	$0.2922	792	$0.00	0.00	2.6%	$238
2042	$0.3035	792	$0.00	0.00	2.6%	$247
2043	$0.3153	792	$0.00	0.00	2.6%	$256
2044	$0.3275	792	$0.00	0.00	2.6%	$266

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	24	2.5%	$18
2026	$0.7573	24	2.5%	$19
2027	$0.7856	24	2.5%	$19
2028	$0.8150	24	2.5%	$20
2029	$0.8455	24	2.5%	$21
2030	$0.8771	24	2.5%	$22
2031	$0.9099	24	2.5%	$22
2032	$0.9439	24	2.5%	$23
2033	$0.9792	24	2.5%	$24
2034	$1.0159	24	2.5%	$25
2035	$1.0539	24	2.5%	$26
2036	$1.0933	24	2.5%	$27
2037	$1.1342	24	2.5%	$28
2038	$1.1766	24	2.5%	$29
2039	$1.2206	24	2.5%	$30
2040	$1.2662	24	2.5%	$31
2041	$1.3136	24	2.5%	$32
2042	$1.3627	24	2.5%	$34
2043	$1.4137	24	2.5%	$35
2044	$1.4666	24	2.5%	$36

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	24	2.5%	$17
2026	$0.7138	24	2.5%	$18
2027	$0.7405	24	2.5%	$18
2028	$0.7682	24	2.5%	$19
2029	$0.7969	24	2.5%	$20
2030	$0.8268	24	2.5%	$20
2031	$0.8577	24	2.5%	$21
2032	$0.8898	24	2.5%	$22
2033	$0.9230	24	2.5%	$23
2034	$0.9575	24	2.5%	$24
2035	$0.9934	24	2.5%	$24
2036	$1.0305	24	2.5%	$25
2037	$1.0691	24	2.5%	$26
2038	$1.1090	24	2.5%	$27
2039	$1.1505	24	2.5%	$28
2040	$1.1935	24	2.5%	$29
2041	$1.2382	24	2.5%	$30
2042	$1.2845	24	2.5%	$32
2043	$1.3325	24	2.5%	$33
2044	$1.3824	24	2.5%	$34

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	0.50%	2.5%	$1
2026	$18.84	$226.02	0.50%	2.5%	$1
2027	$18.84	$226.02	0.50%	2.5%	$1
2028	$18.84	$226.02	0.50%	2.5%	$1
2029	$18.84	$226.02	0.50%	2.5%	$1
2030	$18.84	$226.02	0.50%	2.5%	$1
2031	$18.84	$226.02	0.50%	2.5%	$1
2032	$18.84	$226.02	0.50%	2.5%	$1
2033	$18.84	$226.02	0.50%	2.5%	$1
2034	$18.84	$226.02	0.50%	2.5%	$1
2035	$18.84	$226.02	0.50%	2.5%	$1
2036	$18.84	$226.02	0.50%	2.5%	$1
2037	$18.84	$226.02	0.50%	2.5%	$1
2038	$18.84	$226.02	0.50%	2.5%	$1
2039	$18.84	$226.02	0.50%	2.5%	$1
2040	$18.84	$226.02	0.50%	2.5%	$1
2041	$18.84	$226.02	0.50%	2.5%	$1
2042	$18.84	$226.02	0.50%	2.5%	$1
2043	$18.84	$226.02	0.50%	2.5%	$1
2044	$18.84	$226.02	0.50%	2.5%	$1

Participants Test - Results

Appliance Type:
Clothes Drying (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	$129	$175	$0	$304	$799	($1,374)	$1,260	$0	$18	$17	$1	$721
2026	$134	$0	$0	$134	$0	$0	$0	$0	$19	$18	$1	$37
2027	$139	$0	$0	$139	$0	$0	$0	$0	$19	$18	$1	$39
2028	$145	$0	$0	$145	$0	$0	$0	$0	$20	$19	$1	$40
2029	$150	$0	$0	$150	$0	$0	$0	$0	$21	$20	$1	$42
2030	$156	$0	$0	$156	$0	$0	$0	$0	$22	$20	$1	$43
2031	$162	$0	$0	$162	$0	$0	$0	$0	$22	$21	$1	$45
2032	$169	$0	$0	$169	$0	$0	$0	$0	$23	$22	$1	$46
2033	$175	$0	$0	$175	$0	$0	$0	$0	$24	$23	$1	$48
2034	$182	$0	$0	$182	$0	$0	$0	$0	$25	$24	$1	$50
2035	$189	$0	$0	$189	$0	$0	$0	$0	$26	$24	$1	$52
2036	$196	$0	$0	$196	$0	$0	$0	$0	$27	$25	$1	$53
2037	$204	$0	$0	$204	$0	$0	$0	$0	$28	$26	$1	$55
2038	$212	$0	$0	$212	$0	$0	$0	$0	$29	$27	$1	$57
2039	$220	$0	$0	$220	$0	$0	$0	$0	$30	$28	$1	$59
2040	$229	$0	$0	$229	$0	$0	$0	$0	$31	$29	$1	$62
2041	$238	$0	$0	$238	$0	$0	$0	$0	$32	$30	$1	$64
2042	$247	$0	$0	$247	$0	$0	$0	$0	$34	$32	$1	$66
2043	$256	$175	$0	$431	$1,743	($2,922)	$1,549	$0	$35	$33	$1	$440
2044	$266	$0	$0	$266	$0	$0	$0	$0	$36	$34	$1	$71

Present Value of Benefits $2,713

Present Value of Costs $1,526

Benefit/Cost Ratio 1.78

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Residential

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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 Year	2 Therms	3 Base Rate	2*3 Total Charge
2025	24	$0.6881	$17
2026	24	$0.7138	$17
2027	24	$0.7405	$18
2028	24	$0.7682	$18
2029	24	$0.7969	$19
2030	24	$0.8268	$20
2031	24	$0.8577	$21
2032	24	$0.8898	$21
2033	24	$0.9230	$22
2034	24	$0.9575	$23
2035	24	$0.9934	$24
2036	24	$1.0305	$25
2037	24	$1.0691	$26
2038	24	$1.1090	$27
2039	24	$1.1505	$28
2040	24	$1.1935	$29
2041	24	$1.2382	$30
2042	24	$1.2845	$31
2043	24	$1.3325	$32
2044	24	$1.3824	$33

Table 1a

Revenue - Cost of Gas

1 Year	2 Therms	3 Fuel Rate	2*3 Total Charge
2025	24	$0.7300	$18
2026	24	$0.7573	$18
2027	24	$0.7856	$19
2028	24	$0.8150	$20
2029	24	$0.8455	$20
2030	24	$0.8771	$21
2031	24	$0.9099	$22
2032	24	$0.9439	$23
2033	24	$0.9792	$24
2034	24	$1.0159	$24
2035	24	$1.0539	$25
2036	24	$1.0933	$26
2037	24	$1.1342	$27
2038	24	$1.1766	$28
2039	24	$1.2206	$29
2040	24	$1.2662	$30
2041	24	$1.3136	$32
2042	24	$1.3627	$33
2043	24	$1.4137	$34
2044	24	$1.4666	$35

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Large Commercial Hospitality

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (1)

Table 2

Revenue - Customer Charge

1 Year	2 Monthly Customer Charge	3 Annual Customer Charge	4 Ratio Therms To Total Consumed	3*4 Prorated Annual Customer Charge
2025	$18.84	$226.02	0.50%	$1
2026	$18.84	$226.02	0.50%	$1
2027	$18.84	$226.02	0.50%	$1
2028	$18.84	$226.02	0.50%	$1
2029	$18.84	$226.02	0.50%	$1
2030	$18.84	$226.02	0.50%	$1
2031	$18.84	$226.02	0.50%	$1
2032	$18.84	$226.02	0.50%	$1
2033	$18.84	$226.02	0.50%	$1
2034	$18.84	$226.02	0.50%	$1
2035	$18.84	$226.02	0.50%	$1
2036	$18.84	$226.02	0.50%	$1
2037	$18.84	$226.02	0.50%	$1
2038	$18.84	$226.02	0.50%	$1
2039	$18.84	$226.02	0.50%	$1
2040	$18.84	$226.02	0.50%	$1
2041	$18.84	$226.02	0.50%	$1
2042	$18.84	$226.02	0.50%	$1
2043	$18.84	$226.02	0.50%	$1
2044	$18.84	$226.02	0.50%	$1

Table 3

Gas Costs

1 Year	2 Therms	3 Gas Supply Rate	2*3 Gas Supply Cost
2025	24	$0.7300	$18
2026	24	$0.7573	$18
2027	24	$0.7856	$19
2028	24	$0.8150	$20
2029	24	$0.8455	$20
2030	24	$0.8771	$21
2031	24	$0.9099	$22
2032	24	$0.9439	$23
2033	24	$0.9792	$24
2034	24	$1.0159	$24
2035	24	$1.0539	$25
2036	24	$1.0933	$26
2037	24	$1.1342	$27
2038	24	$1.1766	$28
2039	24	$1.2206	$29
2040	24	$1.2662	$30
2041	24	$1.3136	$32
2042	24	$1.3627	$33
2043	24	$1.4137	$34
2044	24	$1.4666	$35

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Large Commercial Hospitality

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2026	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2027	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2028	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2029	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2030	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2031	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2032	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2033	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2034	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2035	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2036	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2037	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2038	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2039	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2040	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2041	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2042	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2043	$0	$0	$0	$0	$0	6.87%	0.50%	$0
2044	$0	$0	$0	$0	$0	6.87%	0.50%	$0

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	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2026	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2027	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2028	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2029	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2030	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2031	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2032	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2033	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2034	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2035	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2036	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2037	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2038	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2039	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2040	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2041	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2042	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2043	$0.00	$0	0.50%	$0.00	$0.00	$0	$0
2044	$0.00	$0	0.50%	$0.00	$0.00	$0	$0

RIM Test - Results

Appliance Type
Clothes Drying (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	$17	$18	$1	$35	$18	$0	$0	$175.05	$193
2026	$17	$18	$1	$36	$18	$0	$0	$0.05	$18
2027	$18	$19	$1	$38	$19	$0	$0	$0.05	$19
2028	$18	$20	$1	$39	$20	$0	$0	$0.05	$20
2029	$19	$20	$1	$41	$20	$0	$0	$0.05	$20
2030	$20	$21	$1	$42	$21	$0	$0	$0.05	$21
2031	$21	$22	$1	$44	$22	$0	$0	$0.05	$22
2032	$21	$23	$1	$45	$23	$0	$0	$0.05	$23
2033	$22	$24	$1	$47	$24	$0	$0	$0.05	$24
2034	$23	$24	$1	$48	$24	$0	$0	$0.05	$24
2035	$24	$25	$1	$50	$25	$0	$0	$0.05	$25
2036	$25	$26	$1	$52	$26	$0	$0	$0.05	$26
2037	$26	$27	$1	$54	$27	$0	$0	$0.05	$27
2038	$27	$28	$1	$56	$28	$0	$0	$0.05	$28
2039	$28	$29	$1	$58	$29	$0	$0	$0.05	$29
2040	$29	$30	$1	$60	$30	$0	$0	$0.05	$30
2041	$30	$32	$1	$62	$32	$0	$0	$0.05	$32
2042	$31	$33	$1	$65	$33	$0	$0	$0.05	$33
2043	$32	$34	$1	$67	$34	$0	$0	$175.05	$209
2044	$33	$35	$1	$70	$35	$0	$0	$0.05	$35

Present Value of Benefits $655

Present Value of Costs $585

Benefit/Cost Ratio 1.12

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (1)

Gas:	Clothes Drying (1)
Year:	2025
CO_2:	0.12 tonnes CO_2/year
Allowance:	$200
Gas Utility:	Average

I.	**Installed Cost Data**	
	Equipment	$799
	Installation	$1,260
	Total Customer Cost	$2,059
	Replacement Installation	$710
	Total Replacement (incl Equip)	$1,509
	Utility Rebate	$200
II.	**Operating Data**	
	Therms Consumed	[redacted] 24
	Total Building Therms	4,817
	O&M (excluding energy)	[redacted] $0
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)	18
	Appliance Therms /Total Therms	0.50%
	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:	Clothes Drying (1)
CO_2:	0.56 tonnes CO_2/year
Rate:	Average
Bldg:	Residential

VI.	**Electric Cost Data**	
	Equipment	$629
	Installation	$710
	Breaker and Wiring Savings	$35
	Total Customer Cost	$1,374
VII.	**Energy Conserved Data**	
	Monthly Demand kW	0.0
	Annual kWh	792
	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	18

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Clothes Drying (1)

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	792	$0.00	0.00	2.6%	$129
2026	$0.1651	792	$0.00	0.00	2.6%	$134
2027	$0.1715	792	$0.00	0.00	2.6%	$139
2028	$0.1781	792	$0.00	0.00	2.6%	$145
2029	$0.1850	792	$0.00	0.00	2.6%	$150
2030	$0.1922	792	$0.00	0.00	2.6%	$156
2031	$0.1997	792	$0.00	0.00	2.6%	$162
2032	$0.2074	792	$0.00	0.00	2.6%	$169
2033	$0.2155	792	$0.00	0.00	2.6%	$175
2034	$0.2238	792	$0.00	0.00	2.6%	$182
2035	$0.2325	792	$0.00	0.00	2.6%	$189
2036	$0.2415	792	$0.00	0.00	2.6%	$196
2037	$0.2509	792	$0.00	0.00	2.6%	$204
2038	$0.2607	792	$0.00	0.00	2.6%	$212
2039	$0.2708	792	$0.00	0.00	2.6%	$220
2040	$0.2813	792	$0.00	0.00	2.6%	$229
2041	$0.2922	792	$0.00	0.00	2.6%	$238
2042	$0.3035	792	$0.00	0.00	2.6%	$247
2043	$0.3153	792	$0.00	0.00	2.6%	$256
2044	$0.3275	792	$0.00	0.00	2.6%	$266

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	24	2.5%	$18
2026	$0.7573	24	2.5%	$19
2027	$0.7856	24	2.5%	$19
2028	$0.8150	24	2.5%	$20
2029	$0.8455	24	2.5%	$21
2030	$0.8771	24	2.5%	$22
2031	$0.9099	24	2.5%	$22
2032	$0.9439	24	2.5%	$23
2033	$0.9792	24	2.5%	$24
2034	$1.0159	24	2.5%	$25
2035	$1.0539	24	2.5%	$26
2036	$1.0933	24	2.5%	$27
2037	$1.1342	24	2.5%	$28
2038	$1.1766	24	2.5%	$29
2039	$1.2206	24	2.5%	$30
2040	$1.2662	24	2.5%	$31
2041	$1.3136	24	2.5%	$32
2042	$1.3627	24	2.5%	$34
2043	$1.4137	24	2.5%	$35
2044	$1.4666	24	2.5%	$36

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	24	2.5%	$17
2026	$0.7138	24	2.5%	$18
2027	$0.7405	24	2.5%	$18
2028	$0.7682	24	2.5%	$19
2029	$0.7969	24	2.5%	$20
2030	$0.8268	24	2.5%	$20
2031	$0.8577	24	2.5%	$21
2032	$0.8898	24	2.5%	$22
2033	$0.9230	24	2.5%	$23
2034	$0.9575	24	2.5%	$24
2035	$0.9934	24	2.5%	$24
2036	$1.0305	24	2.5%	$25
2037	$1.0691	24	2.5%	$26
2038	$1.1090	24	2.5%	$27
2039	$1.1505	24	2.5%	$28
2040	$1.1935	24	2.5%	$29
2041	$1.2382	24	2.5%	$30
2042	$1.2845	24	2.5%	$32
2043	$1.3325	24	2.5%	$33
2044	$1.3824	24	2.5%	$34

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	0.50%	2.5%	$1
2026	$18.84	$226.02	0.50%	2.5%	$1
2027	$18.84	$226.02	0.50%	2.5%	$1
2028	$18.84	$226.02	0.50%	2.5%	$1
2029	$18.84	$226.02	0.50%	2.5%	$1
2030	$18.84	$226.02	0.50%	2.5%	$1
2031	$18.84	$226.02	0.50%	2.5%	$1
2032	$18.84	$226.02	0.50%	2.5%	$1
2033	$18.84	$226.02	0.50%	2.5%	$1
2034	$18.84	$226.02	0.50%	2.5%	$1
2035	$18.84	$226.02	0.50%	2.5%	$1
2036	$18.84	$226.02	0.50%	2.5%	$1
2037	$18.84	$226.02	0.50%	2.5%	$1
2038	$18.84	$226.02	0.50%	2.5%	$1
2039	$18.84	$226.02	0.50%	2.5%	$1
2040	$18.84	$226.02	0.50%	2.5%	$1
2041	$18.84	$226.02	0.50%	2.5%	$1
2042	$18.84	$226.02	0.50%	2.5%	$1
2043	$18.84	$226.02	0.50%	2.5%	$1
2044	$18.84	$226.02	0.50%	2.5%	$1

Participants Test - Results

Appliance Type:
Clothes Drying (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	$129	$200	$0	$329	$799	($1,374)	$1,260	$0	$18	$17	$1	$721
2026	$134	$0	$0	$134	$0	$0	$0	$0	$19	$18	$1	$37
2027	$139	$0	$0	$139	$0	$0	$0	$0	$19	$18	$1	$39
2028	$145	$0	$0	$145	$0	$0	$0	$0	$20	$19	$1	$40
2029	$150	$0	$0	$150	$0	$0	$0	$0	$21	$20	$1	$42
2030	$156	$0	$0	$156	$0	$0	$0	$0	$22	$20	$1	$43
2031	$162	$0	$0	$162	$0	$0	$0	$0	$22	$21	$1	$45
2032	$169	$0	$0	$169	$0	$0	$0	$0	$23	$22	$1	$46
2033	$175	$0	$0	$175	$0	$0	$0	$0	$24	$23	$1	$48
2034	$182	$0	$0	$182	$0	$0	$0	$0	$25	$24	$1	$50
2035	$189	$0	$0	$189	$0	$0	$0	$0	$26	$24	$1	$52
2036	$196	$0	$0	$196	$0	$0	$0	$0	$27	$25	$1	$53
2037	$204	$0	$0	$204	$0	$0	$0	$0	$28	$26	$1	$55
2038	$212	$0	$0	$212	$0	$0	$0	$0	$29	$27	$1	$57
2039	$220	$0	$0	$220	$0	$0	$0	$0	$30	$28	$1	$59
2040	$229	$0	$0	$229	$0	$0	$0	$0	$31	$29	$1	$62
2041	$238	$0	$0	$238	$0	$0	$0	$0	$32	$30	$1	$64
2042	$247	$0	$0	$247	$0	$0	$0	$0	$34	$32	$1	$66
2043	$256	$200	$0	$456	$1,743	($2,922)	$1,549	$0	$35	$33	$1	$440
2044	$266	$0	$0	$266	$0	$0	$0	$0	$36	$34	$1	$71

Present Value of Benefits $2,750

Present Value of Costs $1,526

Benefit/Cost Ratio **1.80**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Residential

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	24	$0.6881	$17
2026	24	$0.7138	$17
2027	24	$0.7405	$18
2028	24	$0.7682	$18
2029	24	$0.7969	$19
2030	24	$0.8268	$20
2031	24	$0.8577	$21
2032	24	$0.8898	$21
2033	24	$0.9230	$22
2034	24	$0.9575	$23
2035	24	$0.9934	$24
2036	24	$1.0305	$25
2037	24	$1.0691	$26
2038	24	$1.1090	$27
2039	24	$1.1505	$28
2040	24	$1.1935	$29
2041	24	$1.2382	$30
2042	24	$1.2845	$31
2043	24	$1.3325	$32
2044	24	$1.3824	$33

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	24	$0.7300	$18
2026	24	$0.7573	$18
2027	24	$0.7856	$19
2028	24	$0.8150	$20
2029	24	$0.8455	$20
2030	24	$0.8771	$21
2031	24	$0.9099	$22
2032	24	$0.9439	$23
2033	24	$0.9792	$24
2034	24	$1.0159	$24
2035	24	$1.0539	$25
2036	24	$1.0933	$26
2037	24	$1.1342	$27
2038	24	$1.1766	$28
2039	24	$1.2206	$29
2040	24	$1.2662	$30
2041	24	$1.3136	$32
2042	24	$1.3627	$33
2043	24	$1.4137	$34
2044	24	$1.4666	$35

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Large Commercial Hospitality

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	0.50%	$1
2026	$18.84	$226.02	0.50%	$1
2027	$18.84	$226.02	0.50%	$1
2028	$18.84	$226.02	0.50%	$1
2029	$18.84	$226.02	0.50%	$1
2030	$18.84	$226.02	0.50%	$1
2031	$18.84	$226.02	0.50%	$1
2032	$18.84	$226.02	0.50%	$1
2033	$18.84	$226.02	0.50%	$1
2034	$18.84	$226.02	0.50%	$1
2035	$18.84	$226.02	0.50%	$1
2036	$18.84	$226.02	0.50%	$1
2037	$18.84	$226.02	0.50%	$1
2038	$18.84	$226.02	0.50%	$1
2039	$18.84	$226.02	0.50%	$1
2040	$18.84	$226.02	0.50%	$1
2041	$18.84	$226.02	0.50%	$1
2042	$18.84	$226.02	0.50%	$1
2043	$18.84	$226.02	0.50%	$1
2044	$18.84	$226.02	0.50%	$1

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	24	$0.7300	$18
2026	24	$0.7573	$18
2027	24	$0.7856	$19
2028	24	$0.8150	$20
2029	24	$0.8455	$20
2030	24	$0.8771	$21
2031	24	$0.9099	$22
2032	24	$0.9439	$23
2033	24	$0.9792	$24
2034	24	$1.0159	$24
2035	24	$1.0539	$25
2036	24	$1.0933	$26
2037	24	$1.1342	$27
2038	24	$1.1766	$28
2039	24	$1.2206	$29
2040	24	$1.2662	$30
2041	24	$1.3136	$32
2042	24	$1.3627	$33
2043	24	$1.4137	$34
2044	24	$1.4666	$35

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Clothes Drying (1)	Building Type - Large Commercial Hospitality

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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%	0.50%	$2
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	0.50%	$2
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	0.50%	$1
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	0.50%	$1
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	0.50%	$1
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	0.50%	$1
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	0.50%	$1
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	0.50%	$1
2033	$995	$2,256	$0	$469	$3,720	6.87%	0.50%	$1
2034	$973	$2,206	$0	$446	$3,625	6.87%	0.50%	$1
2035	$951	$2,157	$0	$424	$3,532	6.87%	0.50%	$1
2036	$930	$2,109	$0	$403	$3,442	6.87%	0.50%	$1
2037	$909	$2,062	$0	$383	$3,354	6.87%	0.50%	$1
2038	$889	$2,016	$0	$364	$3,269	6.87%	0.50%	$1
2039	$869	$1,971	$0	$346	$3,186	6.87%	0.50%	$1
2040	$850	$1,927	$0	$329	$3,106	6.87%	0.50%	$1
2041	$831	$1,884	$0	$313	$3,028	6.87%	0.50%	$1
2042	$813	$1,842	$0	$298	$2,953	6.87%	0.50%	$1
2043	$795	$1,801	$0	$284	$2,880	6.87%	0.50%	$1
2044	$777	$1,761	$0	$270	$2,808	6.87%	0.50%	$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	0.50%	$0.06	$18.45	$0	$0
2026	$1.16	$14	0.50%	$0.07	$19.27	$0	$0
2027	$1.21	$15	0.50%	$0.07	$20.12	$0	$0
2028	$1.26	$15	0.50%	$0.07	$21.01	$0	$0
2029	$1.32	$16	0.50%	$0.08	$21.94	$0	$0
2030	$1.38	$17	0.50%	$0.08	$22.92	$0	$0
2031	$1.44	$17	0.50%	$0.08	$23.93	$0	$0
2032	$1.50	$18	0.50%	$0.09	$24.99	$0	$0
2033	$1.57	$19	0.50%	$0.09	$26.10	$0	$0
2034	$1.64	$20	0.50%	$0.10	$27.25	$0	$0
2035	$1.71	$21	0.50%	$0.10	$28.46	$0	$0
2036	$1.79	$21	0.50%	$0.10	$29.72	$0	$0
2037	$1.87	$22	0.50%	$0.11	$31.04	$0	$0
2038	$1.95	$23	0.50%	$0.11	$32.41	$0	$0
2039	$2.04	$24	0.50%	$0.12	$33.85	$0	$0
2040	$2.13	$26	0.50%	$0.13	$35.35	$0	$0
2041	$2.22	$27	0.50%	$0.13	$36.91	$0	$0
2042	$2.32	$28	0.50%	$0.14	$38.55	$0	$0
2043	$2.42	$29	0.50%	$0.14	$40.26	$0	$0
2044	$2.53	$30	0.50%	$0.15	$42.04	$0	$0

RIM Test - Results

Appliance Type
Clothes Drying (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Furnace (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	$17	$18	$1	$35	$18	$2	$0	$200.03	$219
2026	$17	$18	$1	$36	$18	$2	$0	$0.03	$20
2027	$18	$19	$1	$38	$19	$1	$0	$0.03	$21
2028	$18	$20	$1	$39	$20	$1	$0	$0.03	$21
2029	$19	$20	$1	$41	$20	$1	$0	$0.03	$22
2030	$20	$21	$1	$42	$21	$1	$0	$0.03	$23
2031	$21	$22	$1	$44	$22	$1	$0	$0.03	$23
2032	$21	$23	$1	$45	$23	$1	$0	$0.03	$24
2033	$22	$24	$1	$47	$24	$1	$0	$0.03	$25
2034	$23	$24	$1	$48	$24	$1	$0	$0.03	$26
2035	$24	$25	$1	$50	$25	$1	$0	$0.03	$27
2036	$25	$26	$1	$52	$26	$1	$0	$0.03	$28
2037	$26	$27	$1	$54	$27	$1	$0	$0.03	$29
2038	$27	$28	$1	$56	$28	$1	$0	$0.03	$30
2039	$28	$29	$1	$58	$29	$1	$0	$0.03	$31
2040	$29	$30	$1	$60	$30	$1	$0	$0.03	$32
2041	$30	$32	$1	$62	$32	$1	$0	$0.03	$33
2042	$31	$33	$1	$65	$33	$1	$0	$0.03	$34
2043	$32	$34	$1	$67	$34	$1	$0	$200.03	$235
2044	$33	$35	$1	$70	$35	$1	$0	$0.03	$37

Present Value of Benefits $655

Present Value of Costs $642

Benefit/Cost Ratio **1.02**

Residential Gas Furnace Rebate Program
Executive Summary

Program Highlights
Annual consumption assumption: **63 therms**.
Average furnace life exceeds 20 years, therefore only one rebate and one installation event are incurred in the analysis.
All three program scenarios pass both the Participant Test and G-RIM.

Program	Rebate	PT	G-RIM	Result
New Construction	$700	1.505	1.060	PASS
Retention	$550	1.655	1.215	PASS
Retrofit	$725	1.513	1.046	PASS

The proposed furnace rebate portfolio demonstrates favorable cost-effectiveness for New Construction, Retention, and Retrofit applications while reflecting the long service life of residential gas furnaces. The revised assumptions support inclusion in the amended petition.

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Gas:	Furnace (1)	
Year:	2025	
CO2:	0.31 tonnes CO2/year	
Allowance:	$700	
Gas Utility:	Average	
I.	**Installed Cost Data**	
	Equipment	[redacted] $1,200
	Installation	[redacted] $2,102
	Total Customer Cost	$3,302
	Replacement Installation	$1,392
	Total Replacement (incl Equip)	$2,592
	Utility Rebate	$700
II.	**Operating Data**	
	Therms Consumed	63
	Total Building Therms	4,816
	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)	22
	Appliance Therms /Total Therms	1.3%
	EC Program Adm. Cost	$0.26
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:	Furnace (1)	
CO2:	0.9 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	**Electric Cost Data**	
	Equipment	$950
	Installation	$1,392
	Breaker and Wiring Savings	$25
	Total Customer Cost	$2,367
VII.	**Energy Conserved Data**	
	Monthly Demand kW	1.3
	Annual kWh	1,262
	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	23

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Furnace (1)

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	1,262	$0.00	1.30	2.6%	$206
2026	$0.1651	1,262	$0.00	1.30	2.6%	$214
2027	$0.1715	1,262	$0.00	1.30	2.6%	$222
2028	$0.1781	1,262	$0.00	1.30	2.6%	$231
2029	$0.1850	1,262	$0.00	1.30	2.6%	$240
2030	$0.1922	1,262	$0.00	1.30	2.6%	$249
2031	$0.1997	1,262	$0.00	1.30	2.6%	$259
2032	$0.2074	1,262	$0.00	1.30	2.6%	$269
2033	$0.2155	1,262	$0.00	1.30	2.6%	$279
2034	$0.2238	1,262	$0.00	1.30	2.6%	$290
2035	$0.2325	1,262	$0.00	1.30	2.6%	$301
2036	$0.2415	1,262	$0.00	1.30	2.6%	$313
2037	$0.2509	1,262	$0.00	1.30	2.6%	$325
2038	$0.2607	1,262	$0.00	1.30	2.6%	$337
2039	$0.2708	1,262	$0.00	1.30	2.6%	$351
2040	$0.2813	1,262	$0.00	1.30	2.6%	$364
2041	$0.2922	1,262	$0.00	1.30	2.6%	$378
2042	$0.3035	1,262	$0.00	1.30	2.6%	$393
2043	$0.3153	1,262	$0.00	1.30	2.6%	$408
2044	$0.3275	1,262	$0.00	1.30	2.6%	$424

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	63	2.5%	$47
2026	$0.7573	63	2.5%	$49
2027	$0.7856	63	2.5%	$51
2028	$0.8150	63	2.5%	$53
2029	$0.8455	63	2.5%	$55
2030	$0.8771	63	2.5%	$57
2031	$0.9099	63	2.5%	$59
2032	$0.9439	63	2.5%	$61
2033	$0.9792	63	2.5%	$63
2034	$1.0159	63	2.5%	$66
2035	$1.0539	63	2.5%	$68
2036	$1.0933	63	2.5%	$71
2037	$1.1342	63	2.5%	$73
2038	$1.1766	63	2.5%	$76
2039	$1.2206	63	2.5%	$79
2040	$1.2662	63	2.5%	$82
2041	$1.3136	63	2.5%	$85
2042	$1.3627	63	2.5%	$88
2043	$1.4137	63	2.5%	$91
2044	$1.4666	63	2.5%	$95

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	63	2.5%	$44
2026	$0.7138	63	2.5%	$46
2027	$0.7405	63	2.5%	$48
2028	$0.7682	63	2.5%	$50
2029	$0.7969	63	2.5%	$51
2030	$0.8268	63	2.5%	$53
2031	$0.8577	63	2.5%	$55
2032	$0.8898	63	2.5%	$57
2033	$0.9230	63	2.5%	$60
2034	$0.9575	63	2.5%	$62
2035	$0.9934	63	2.5%	$64
2036	$1.0305	63	2.5%	$67
2037	$1.0691	63	2.5%	$69
2038	$1.1090	63	2.5%	$72
2039	$1.1505	63	2.5%	$74
2040	$1.1935	63	2.5%	$77
2041	$1.2382	63	2.5%	$80
2042	$1.2845	63	2.5%	$83
2043	$1.3325	63	2.5%	$86
2044	$1.3824	63	2.5%	$89

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	1.31%	2.5%	$3
2026	$18.84	$226.02	1.31%	2.5%	$3
2027	$18.84	$226.02	1.31%	2.5%	$3
2028	$18.84	$226.02	1.31%	2.5%	$3
2029	$18.84	$226.02	1.31%	2.5%	$3
2030	$18.84	$226.02	1.31%	2.5%	$3
2031	$18.84	$226.02	1.31%	2.5%	$3
2032	$18.84	$226.02	1.31%	2.5%	$3
2033	$18.84	$226.02	1.31%	2.5%	$3
2034	$18.84	$226.02	1.31%	2.5%	$3
2035	$18.84	$226.02	1.31%	2.5%	$3
2036	$18.84	$226.02	1.31%	2.5%	$3
2037	$18.84	$226.02	1.31%	2.5%	$3
2038	$18.84	$226.02	1.31%	2.5%	$3
2039	$18.84	$226.02	1.31%	2.5%	$3
2040	$18.84	$226.02	1.31%	2.5%	$3
2041	$18.84	$226.02	1.31%	2.5%	$3
2042	$18.84	$226.02	1.31%	2.5%	$3
2043	$18.84	$226.02	1.31%	2.5%	$3
2044	$18.84	$226.02	1.31%	2.5%	$3

Appliance Type: Furnace (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	$206	$700	$0	$906	$1,200	($2,367)	$2,102	$18	$47	$44	$3	$1,048
2026	$214	$0	$0	$214	$0	$0	$0	$19	$49	$46	$3	$117
2027	$222	$0	$0	$222	$0	$0	$0	$20	$51	$48	$3	$122
2028	$231	$0	$0	$231	$0	$0	$0	$21	$53	$50	$3	$126
2029	$240	$0	$0	$240	$0	$0	$0	$22	$55	$51	$3	$131
2030	$249	$0	$0	$249	$0	$0	$0	$23	$57	$53	$3	$136
2031	$259	$0	$0	$259	$0	$0	$0	$24	$59	$55	$3	$141
2032	$269	$0	$0	$269	$0	$0	$0	$25	$61	$57	$3	$146
2033	$279	$0	$0	$279	$0	$0	$0	$26	$63	$60	$3	$152
2034	$290	$0	$0	$290	$0	$0	$0	$27	$66	$62	$3	$158
2035	$301	$0	$0	$301	$0	$0	$0	$28	$68	$64	$3	$164
2036	$313	$0	$0	$313	$0	$0	$0	$30	$71	$67	$3	$170
2037	$325	$0	$0	$325	$0	$0	$0	$31	$73	$69	$3	$176
2038	$337	$0	$0	$337	$0	$0	$0	$32	$76	$72	$3	$183
2039	$351	$0	$0	$351	$0	$0	$0	$34	$79	$74	$3	$190
2040	$364	$0	$0	$364	$0	$0	$0	$35	$82	$77	$3	$197
2041	$378	$0	$0	$378	$0	$0	$0	$37	$85	$80	$3	$205
2042	$393	$0	$0	$393	$0	$0	$0	$39	$88	$83	$3	$213
2043	$408	$0	$0	$408	$0	$0	$0	$40	$91	$86	$3	$221
2044	$424	$0	$0	$424	$0	$0	$0	$42	$95	$89	$3	$229

Present Value of Benefits $4,615

Present Value of Costs $3,066

Benefit/Cost Ratio 1.51

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Furnace (1)	Building Type - Residential

her Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Clothes Drying (

Fuel Rate Escalator	3.74%	Depreciation Rate - Supply Main	2.23%
Gas Energy Charge Escalator	3.74%	Depreciation Rate - Development	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	63	$0.6881	$43
2026	63	$0.7138	$45
2027	63	$0.7405	$47
2028	63	$0.7682	$48
2029	63	$0.7969	$50
2030	63	$0.8268	$52
2031	63	$0.8577	$54
2032	63	$0.8898	$56
2033	63	$0.9230	$58
2034	63	$0.9575	$60
2035	63	$0.9934	$63
2036	63	$1.0305	$65
2037	63	$1.0691	$67
2038	63	$1.1090	$70
2039	63	$1.1505	$72
2040	63	$1.1935	$75
2041	63	$1.2382	$78
2042	63	$1.2845	$81
2043	63	$1.3325	$84
2044	63	$1.3824	$87

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	63	$0.7300	$46
2026	63	$0.7573	$48
2027	63	$0.7856	$49
2028	63	$0.8150	$51
2029	63	$0.8455	$53
2030	63	$0.8771	$55
2031	63	$0.9099	$57
2032	63	$0.9439	$59
2033	63	$0.9792	$62
2034	63	$1.0159	$64
2035	63	$1.0539	$66
2036	63	$1.0933	$69
2037	63	$1.1342	$71
2038	63	$1.1766	$74
2039	63	$1.2206	$77
2040	63	$1.2662	$80
2041	63	$1.3136	$83
2042	63	$1.3627	$86
2043	63	$1.4137	$89
2044	63	$1.4666	$92

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	1.31%	$3
2026	$18.84	$226.02	1.31%	$3
2027	$18.84	$226.02	1.31%	$3
2028	$18.84	$226.02	1.31%	$3
2029	$18.84	$226.02	1.31%	$3
2030	$18.84	$226.02	1.31%	$3
2031	$18.84	$226.02	1.31%	$3
2032	$18.84	$226.02	1.31%	$3
2033	$18.84	$226.02	1.31%	$3
2034	$18.84	$226.02	1.31%	$3
2035	$18.84	$226.02	1.31%	$3
2036	$18.84	$226.02	1.31%	$3
2037	$18.84	$226.02	1.31%	$3
2038	$18.84	$226.02	1.31%	$3
2039	$18.84	$226.02	1.31%	$3
2040	$18.84	$226.02	1.31%	$3
2041	$18.84	$226.02	1.31%	$3
2042	$18.84	$226.02	1.31%	$3
2043	$18.84	$226.02	1.31%	$3
2044	$18.84	$226.02	1.31%	$3

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	63	$0.7300	$46
2026	63	$0.7573	$48
2027	63	$0.7856	$49
2028	63	$0.8150	$51
2029	63	$0.8455	$53
2030	63	$0.8771	$55
2031	63	$0.9099	$57
2032	63	$0.9439	$59
2033	63	$0.9792	$62
2034	63	$1.0159	$64
2035	63	$1.0539	$66
2036	63	$1.0933	$69
2037	63	$1.1342	$71
2038	63	$1.1766	$74
2039	63	$1.2206	$77
2040	63	$1.2662	$80
2041	63	$1.3136	$83
2042	63	$1.3627	$86
2043	63	$1.4137	$89
2044	63	$1.4666	$92

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Other Equipment Included in Analysis· Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	Investment Carrying Cost
2025	$1,192	$2,700	$0	$698	$4,590	6.87%	1.31%	$4
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	1.31%	$4
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	1.31%	$4
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	1.31%	$4
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	1.31%	$4
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	1.31%	$4
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	1.31%	$4
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	1.31%	$3
2033	$995	$2,256	$0	$469	$3,720	6.87%	1.31%	$3
2034	$973	$2,206	$0	$446	$3,625	6.87%	1.31%	$3
2035	$951	$2,157	$0	$424	$3,532	6.87%	1.31%	$3
2036	$930	$2,109	$0	$403	$3,442	6.87%	1.31%	$3
2037	$909	$2,062	$0	$383	$3,354	6.87%	1.31%	$3
2038	$889	$2,016	$0	$364	$3,269	6.87%	1.31%	$3
2039	$869	$1,971	$0	$346	$3,186	6.87%	1.31%	$3
2040	$850	$1,927	$0	$329	$3,106	6.87%	1.31%	$3
2041	$831	$1,884	$0	$313	$3,028	6.87%	1.31%	$3
2042	$813	$1,842	$0	$298	$2,953	6.87%	1.31%	$3
2043	$795	$1,801	$0	$284	$2,880	6.87%	1.31%	$3
2044	$777	$1,761	$0	$270	$2,808	6.87%	1.31%	$3

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 Incrementa l Adm. & O&M Cost
2025	$1.11	$13	1.31%	$0.17	$18.45	$0	$0
2026	$1.16	$14	1.31%	$0.18	$19.27	$0	$0
2027	$1.21	$15	1.31%	$0.20	$20.12	$0	$0
2028	$1.26	$15	1.31%	$0.20	$21.01	$0	$0
2029	$1.32	$16	1.31%	$0.21	$21.94	$0	$0
2030	$1.38	$17	1.31%	$0.22	$22.92	$0	$1
2031	$1.44	$17	1.31%	$0.22	$23.93	$0	$1
2032	$1.50	$18	1.31%	$0.24	$24.99	$0	$1
2033	$1.57	$19	1.31%	$0.25	$26.10	$0	$1
2034	$1.64	$20	1.31%	$0.26	$27.25	$0	$1
2035	$1.71	$21	1.31%	$0.27	$28.46	$0	$1
2036	$1.79	$21	1.31%	$0.27	$29.72	$0	$1
2037	$1.87	$22	1.31%	$0.29	$31.04	$0	$1
2038	$1.95	$23	1.31%	$0.30	$32.41	$0	$1
2039	$2.04	$24	1.31%	$0.31	$33.85	$0	$1
2040	$2.13	$26	1.31%	$0.34	$35.35	$0	$1
2041	$2.22	$27	1.31%	$0.35	$36.91	$0	$1
2042	$2.32	$28	1.31%	$0.37	$38.55	$1	$1
2043	$2.42	$29	1.31%	$0.38	$40.26	$1	$1
2044	$2.53	$30	1.31%	$0.39	$42.04	$1	$1

Appliance Type
Furnace (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	$43	$46	$3	$92	$46	$4	$0	$700.26	$751
2026	$45	$48	$3	$96	$48	$4	$0	$0.26	$52
2027	$47	$49	$3	$99	$49	$4	$0	$0.26	$54
2028	$48	$51	$3	$103	$51	$4	$0	$0.26	$56
2029	$50	$53	$3	$106	$53	$4	$0	$0.26	$58
2030	$52	$55	$3	$110	$55	$4	$1	$0.26	$60
2031	$54	$57	$3	$114	$57	$4	$1	$0.26	$62
2032	$56	$59	$3	$118	$59	$3	$1	$0.26	$64
2033	$58	$62	$3	$123	$62	$3	$1	$0.26	$66
2034	$60	$64	$3	$127	$64	$3	$1	$0.26	$68
2035	$63	$66	$3	$132	$66	$3	$1	$0.26	$70
2036	$65	$69	$3	$137	$69	$3	$1	$0.26	$73
2037	$67	$71	$3	$142	$71	$3	$1	$0.26	$75
2038	$70	$74	$3	$147	$74	$3	$1	$0.26	$78
2039	$72	$77	$3	$152	$77	$3	$1	$0.26	$81
2040	$75	$80	$3	$158	$80	$3	$1	$0.26	$84
2041	$78	$83	$3	$164	$83	$3	$1	$0.26	$87
2042	$81	$86	$3	$170	$86	$3	$1	$0.26	$90
2043	$84	$89	$3	$176	$89	$3	$1	$0.26	$93
2044	$87	$92	$3	$182	$92	$3	$1	$0.26	$96

Present Value of Benefits **$1,719**

Present Value of Costs **$1,622**

Benefit/Cost Ratio **1.06**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Gas:	Furnace (1)			Elec:	Furnace (1)		
Year:	2025						
CO2:	0.31 tonnes CO2/year			CO2:	0.9 tonnes CO2/year		
Allowance:	$725			Rate:	Average		
Gas Utility:	Average			Bldg:	Residential		
I.	**Installed Cost Data**			VI.	**Electric Cost Data**		
	Equipment		$1,200		Equipment		$950
	Installation		$2,102		Installation		$1,392
	Total Customer Cost		$3,302		Breaker and Wiring Savings		$25
					Total Customer Cost		$2,367
	Replacement Installation		$1,392				
	Total Replacement (incl Equip)		$2,592				
	Utility Rebate		$725				
II.	**Operating Data**			VII.	**Energy Conserved Data**		
	Therms Consumed	[redacted]	63		Monthly Demand kW		1.3
	Total Building Therms		4,816		Annual kWh		1,262
	O&M (excluding energy)	[redacted]	$18		O&M (excluding energy)		$0
III.	**Rates and Charges**			VIII.	**Electric Rates and Charges**		
	ECCR		$0.0952		Electric Rate per kW		$0.00
	Distribution Charge		$0.5929		Electric Rate per kWh		$0.1589
	Commodity Charge		$0.7300		Electric Fuel rate		$0.0282
	Taxes & Fees		2.50%		Electric Base rate		$0.1307
	Customer Chg		$18.84		Electric Taxes & Fees		2.58%
	Average Life (years)		22		Customer Chg		$11.51
	Appliance Therms /Total Therms		1.3%		Average Life in Yrs	[redacted]	23
	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				

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Furnace (1)

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	1,262	$0.00	1.30	2.6%	$206
2026	$0.1651	1,262	$0.00	1.30	2.6%	$214
2027	$0.1715	1,262	$0.00	1.30	2.6%	$222
2028	$0.1781	1,262	$0.00	1.30	2.6%	$231
2029	$0.1850	1,262	$0.00	1.30	2.6%	$240
2030	$0.1922	1,262	$0.00	1.30	2.6%	$249
2031	$0.1997	1,262	$0.00	1.30	2.6%	$259
2032	$0.2074	1,262	$0.00	1.30	2.6%	$269
2033	$0.2155	1,262	$0.00	1.30	2.6%	$279
2034	$0.2238	1,262	$0.00	1.30	2.6%	$290
2035	$0.2325	1,262	$0.00	1.30	2.6%	$301
2036	$0.2415	1,262	$0.00	1.30	2.6%	$313
2037	$0.2509	1,262	$0.00	1.30	2.6%	$325
2038	$0.2607	1,262	$0.00	1.30	2.6%	$337
2039	$0.2708	1,262	$0.00	1.30	2.6%	$351
2040	$0.2813	1,262	$0.00	1.30	2.6%	$364
2041	$0.2922	1,262	$0.00	1.30	2.6%	$378
2042	$0.3035	1,262	$0.00	1.30	2.6%	$393
2043	$0.3153	1,262	$0.00	1.30	2.6%	$408
2044	$0.3275	1,262	$0.00	1.30	2.6%	$424

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	63	2.5%	$47
2026	$0.7573	63	2.5%	$49
2027	$0.7856	63	2.5%	$51
2028	$0.8150	63	2.5%	$53
2029	$0.8455	63	2.5%	$55
2030	$0.8771	63	2.5%	$57
2031	$0.9099	63	2.5%	$59
2032	$0.9439	63	2.5%	$61
2033	$0.9792	63	2.5%	$63
2034	$1.0159	63	2.5%	$66
2035	$1.0539	63	2.5%	$68
2036	$1.0933	63	2.5%	$71
2037	$1.1342	63	2.5%	$73
2038	$1.1766	63	2.5%	$76
2039	$1.2206	63	2.5%	$79
2040	$1.2662	63	2.5%	$82
2041	$1.3136	63	2.5%	$85
2042	$1.3627	63	2.5%	$88
2043	$1.4137	63	2.5%	$91
2044	$1.4666	63	2.5%	$95

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	63	2.5%	$44
2026	$0.7138	63	2.5%	$46
2027	$0.7405	63	2.5%	$48
2028	$0.7682	63	2.5%	$50
2029	$0.7969	63	2.5%	$51
2030	$0.8268	63	2.5%	$53
2031	$0.8577	63	2.5%	$55
2032	$0.8898	63	2.5%	$57
2033	$0.9230	63	2.5%	$60
2034	$0.9575	63	2.5%	$62
2035	$0.9934	63	2.5%	$64
2036	$1.0305	63	2.5%	$67
2037	$1.0691	63	2.5%	$69
2038	$1.1090	63	2.5%	$72
2039	$1.1505	63	2.5%	$74
2040	$1.1935	63	2.5%	$77
2041	$1.2382	63	2.5%	$80
2042	$1.2845	63	2.5%	$83
2043	$1.3325	63	2.5%	$86
2044	$1.3824	63	2.5%	$89

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	1.31%	2.5%	$3
2026	$18.84	$226.02	1.31%	2.5%	$3
2027	$18.84	$226.02	1.31%	2.5%	$3
2028	$18.84	$226.02	1.31%	2.5%	$3
2029	$18.84	$226.02	1.31%	2.5%	$3
2030	$18.84	$226.02	1.31%	2.5%	$3
2031	$18.84	$226.02	1.31%	2.5%	$3
2032	$18.84	$226.02	1.31%	2.5%	$3
2033	$18.84	$226.02	1.31%	2.5%	$3
2034	$18.84	$226.02	1.31%	2.5%	$3
2035	$18.84	$226.02	1.31%	2.5%	$3
2036	$18.84	$226.02	1.31%	2.5%	$3
2037	$18.84	$226.02	1.31%	2.5%	$3
2038	$18.84	$226.02	1.31%	2.5%	$3
2039	$18.84	$226.02	1.31%	2.5%	$3
2040	$18.84	$226.02	1.31%	2.5%	$3
2041	$18.84	$226.02	1.31%	2.5%	$3
2042	$18.84	$226.02	1.31%	2.5%	$3
2043	$18.84	$226.02	1.31%	2.5%	$3
2044	$18.84	$226.02	1.31%	2.5%	$3

Appliance Type:
Furnace (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	$206	$725	$0	$931	$1,200	($2,367)	$2,102	$18	$47	$44	$3	$1,048
2026	$214	$0	$0	$214	$0	$0	$0	$19	$49	$46	$3	$117
2027	$222	$0	$0	$222	$0	$0	$0	$20	$51	$48	$3	$122
2028	$231	$0	$0	$231	$0	$0	$0	$21	$53	$50	$3	$126
2029	$240	$0	$0	$240	$0	$0	$0	$22	$55	$51	$3	$131
2030	$249	$0	$0	$249	$0	$0	$0	$23	$57	$53	$3	$136
2031	$259	$0	$0	$259	$0	$0	$0	$24	$59	$55	$3	$141
2032	$269	$0	$0	$269	$0	$0	$0	$25	$61	$57	$3	$146
2033	$279	$0	$0	$279	$0	$0	$0	$26	$63	$60	$3	$152
2034	$290	$0	$0	$290	$0	$0	$0	$27	$66	$62	$3	$158
2035	$301	$0	$0	$301	$0	$0	$0	$28	$68	$64	$3	$164
2036	$313	$0	$0	$313	$0	$0	$0	$30	$71	$67	$3	$170
2037	$325	$0	$0	$325	$0	$0	$0	$31	$73	$69	$3	$176
2038	$337	$0	$0	$337	$0	$0	$0	$32	$76	$72	$3	$183
2039	$351	$0	$0	$351	$0	$0	$0	$34	$79	$74	$3	$190
2040	$364	$0	$0	$364	$0	$0	$0	$35	$82	$77	$3	$197
2041	$378	$0	$0	$378	$0	$0	$0	$37	$85	$80	$3	$205
2042	$393	$0	$0	$393	$0	$0	$0	$39	$88	$83	$3	$213
2043	$408	$0	$0	$408	$0	$0	$0	$40	$91	$86	$3	$221
2044	$424	$0	$0	$424	$0	$0	$0	$42	$95	$89	$3	$229

Present Value of Benefits $4,640

Present Value of Costs $3,066

Benefit/Cost Ratio 1.51

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Furnace (1)	Building Type - Residential

her Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Clothes Drying (

Fuel Rate Escalator	3.74%	Depreciation Rate - Supply Main	2.23%
Gas Energy Charge Escalator	3.74%	Depreciation Rate - Development	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	63	$0.6881	$43
2026	63	$0.7138	$45
2027	63	$0.7405	$47
2028	63	$0.7682	$48
2029	63	$0.7969	$50
2030	63	$0.8268	$52
2031	63	$0.8577	$54
2032	63	$0.8898	$56
2033	63	$0.9230	$58
2034	63	$0.9575	$60
2035	63	$0.9934	$63
2036	63	$1.0305	$65
2037	63	$1.0691	$67
2038	63	$1.1090	$70
2039	63	$1.1505	$72
2040	63	$1.1935	$75
2041	63	$1.2382	$78
2042	63	$1.2845	$81
2043	63	$1.3325	$84
2044	63	$1.3824	$87

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	63	$0.7300	$46
2026	63	$0.7573	$48
2027	63	$0.7856	$49
2028	63	$0.8150	$51
2029	63	$0.8455	$53
2030	63	$0.8771	$55
2031	63	$0.9099	$57
2032	63	$0.9439	$59
2033	63	$0.9792	$62
2034	63	$1.0159	$64
2035	63	$1.0539	$66
2036	63	$1.0933	$69
2037	63	$1.1342	$71
2038	63	$1.1766	$74
2039	63	$1.2206	$77
2040	63	$1.2662	$80
2041	63	$1.3136	$83
2042	63	$1.3627	$86
2043	63	$1.4137	$89
2044	63	$1.4666	$92

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	1.31%	$3
2026	$18.84	$226.02	1.31%	$3
2027	$18.84	$226.02	1.31%	$3
2028	$18.84	$226.02	1.31%	$3
2029	$18.84	$226.02	1.31%	$3
2030	$18.84	$226.02	1.31%	$3
2031	$18.84	$226.02	1.31%	$3
2032	$18.84	$226.02	1.31%	$3
2033	$18.84	$226.02	1.31%	$3
2034	$18.84	$226.02	1.31%	$3
2035	$18.84	$226.02	1.31%	$3
2036	$18.84	$226.02	1.31%	$3
2037	$18.84	$226.02	1.31%	$3
2038	$18.84	$226.02	1.31%	$3
2039	$18.84	$226.02	1.31%	$3
2040	$18.84	$226.02	1.31%	$3
2041	$18.84	$226.02	1.31%	$3
2042	$18.84	$226.02	1.31%	$3
2043	$18.84	$226.02	1.31%	$3
2044	$18.84	$226.02	1.31%	$3

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	63	$0.7300	$46
2026	63	$0.7573	$48
2027	63	$0.7856	$49
2028	63	$0.8150	$51
2029	63	$0.8455	$53
2030	63	$0.8771	$55
2031	63	$0.9099	$57
2032	63	$0.9439	$59
2033	63	$0.9792	$62
2034	63	$1.0159	$64
2035	63	$1.0539	$66
2036	63	$1.0933	$69
2037	63	$1.1342	$71
2038	63	$1.1766	$74
2039	63	$1.2206	$77
2040	63	$1.2662	$80
2041	63	$1.3136	$83
2042	63	$1.3627	$86
2043	63	$1.4137	$89
2044	63	$1.4666	$92

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	Investment Carrying Cost
2025	$1,192	$2,700	$0	$698	$4,590	6.87%	1.31%	$4
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	1.31%	$4
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	1.31%	$4
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	1.31%	$4
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	1.31%	$4
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	1.31%	$4
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	1.31%	$4
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	1.31%	$3
2033	$995	$2,256	$0	$469	$3,720	6.87%	1.31%	$3
2034	$973	$2,206	$0	$446	$3,625	6.87%	1.31%	$3
2035	$951	$2,157	$0	$424	$3,532	6.87%	1.31%	$3
2036	$930	$2,109	$0	$403	$3,442	6.87%	1.31%	$3
2037	$909	$2,062	$0	$383	$3,354	6.87%	1.31%	$3
2038	$889	$2,016	$0	$364	$3,269	6.87%	1.31%	$3
2039	$869	$1,971	$0	$346	$3,186	6.87%	1.31%	$3
2040	$850	$1,927	$0	$329	$3,106	6.87%	1.31%	$3
2041	$831	$1,884	$0	$313	$3,028	6.87%	1.31%	$3
2042	$813	$1,842	$0	$298	$2,953	6.87%	1.31%	$3
2043	$795	$1,801	$0	$284	$2,880	6.87%	1.31%	$3
2044	$777	$1,761	$0	$270	$2,808	6.87%	1.31%	$3

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 Incrementa l Adm. & O&M Cost
2025	$1.11	$13	1.31%	$0.17	$18.45	$0	$0
2026	$1.16	$14	1.31%	$0.18	$19.27	$0	$0
2027	$1.21	$15	1.31%	$0.20	$20.12	$0	$0
2028	$1.26	$15	1.31%	$0.20	$21.01	$0	$0
2029	$1.32	$16	1.31%	$0.21	$21.94	$0	$0
2030	$1.38	$17	1.31%	$0.22	$22.92	$0	$1
2031	$1.44	$17	1.31%	$0.22	$23.93	$0	$1
2032	$1.50	$18	1.31%	$0.24	$24.99	$0	$1
2033	$1.57	$19	1.31%	$0.25	$26.10	$0	$1
2034	$1.64	$20	1.31%	$0.26	$27.25	$0	$1
2035	$1.71	$21	1.31%	$0.27	$28.46	$0	$1
2036	$1.79	$21	1.31%	$0.27	$29.72	$0	$1
2037	$1.87	$22	1.31%	$0.29	$31.04	$0	$1
2038	$1.95	$23	1.31%	$0.30	$32.41	$0	$1
2039	$2.04	$24	1.31%	$0.31	$33.85	$0	$1
2040	$2.13	$26	1.31%	$0.34	$35.35	$0	$1
2041	$2.22	$27	1.31%	$0.35	$36.91	$0	$1
2042	$2.32	$28	1.31%	$0.37	$38.55	$1	$1
2043	$2.42	$29	1.31%	$0.38	$40.26	$1	$1
2044	$2.53	$30	1.31%	$0.39	$42.04	$1	$1

Appliance Type
Furnace (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	$43	$46	$3	$92	$46	$4	$0	$725.03	$776
2026	$45	$48	$3	$96	$48	$4	$0	$0.03	$52
2027	$47	$49	$3	$99	$49	$4	$0	$0.03	$54
2028	$48	$51	$3	$103	$51	$4	$0	$0.03	$56
2029	$50	$53	$3	$106	$53	$4	$0	$0.03	$58
2030	$52	$55	$3	$110	$55	$4	$1	$0.03	$59
2031	$54	$57	$3	$114	$57	$4	$1	$0.03	$61
2032	$56	$59	$3	$118	$59	$3	$1	$0.03	$63
2033	$58	$62	$3	$123	$62	$3	$1	$0.03	$66
2034	$60	$64	$3	$127	$64	$3	$1	$0.03	$68
2035	$63	$66	$3	$132	$66	$3	$1	$0.03	$70
2036	$65	$69	$3	$137	$69	$3	$1	$0.03	$73
2037	$67	$71	$3	$142	$71	$3	$1	$0.03	$75
2038	$70	$74	$3	$147	$74	$3	$1	$0.03	$78
2039	$72	$77	$3	$152	$77	$3	$1	$0.03	$81
2040	$75	$80	$3	$158	$80	$3	$1	$0.03	$83
2041	$78	$83	$3	$164	$83	$3	$1	$0.03	$86
2042	$81	$86	$3	$170	$86	$3	$1	$0.03	$89
2043	$84	$89	$3	$176	$89	$3	$1	$0.03	$93
2044	$87	$92	$3	$182	$92	$3	$1	$0.03	$96

Present Value of Benefits **$1,719**

Present Value of Costs **$1,644**

Benefit/Cost Ratio **1.05**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Gas:	Furnace (1)	
Year:	2025	
CO2:	0.31 tonnes CO2/year	
Allowance:	$550	
Gas Utility:	Average	
I.	**Installed Cost Data**	
	Equipment	$1,200
	Installation	$2,102
	Total Customer Cost	$3,302
	Replacement Installation	$1,392
	Total Replacement (incl Equip)	$2,592
	Utility Rebate	$550
II.	**Operating Data**	
	Therms Consumed	[redacted] 63
	Total Building Therms	4,816
	O&M (excluding energy)	[redacted] $0
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)	22
	Appliance Therms /Total Therms	1.3%
	EC Program Adm. Cost	$0.05
IV.	**New Customer Installation Costs**	
	Supply Main	$0
	Development Main	$0
	Service	$0
	Meter	$0
	Total	$0
V.	**New Customer Admin. Cost $/month**	$0.00

Elec:	Furnace (1)	
CO2:	0.9 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	**Electric Cost Data**	
	Equipment	$950
	Installation	$1,392
	Breaker and Wiring Savings	$25
	Total Customer Cost	$2,367
VII.	**Energy Conserved Data**	
	Monthly Demand kW	1.3
	Annual kWh	1,262
	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	[redacted] 23

Associated Gas Distributors of Florida

Residential Energy Conservation Program

Furnace (1)

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	1,262	$0.00	1.30	2.6%	$206
2026	$0.1651	1,262	$0.00	1.30	2.6%	$214
2027	$0.1715	1,262	$0.00	1.30	2.6%	$222
2028	$0.1781	1,262	$0.00	1.30	2.6%	$231
2029	$0.1850	1,262	$0.00	1.30	2.6%	$240
2030	$0.1922	1,262	$0.00	1.30	2.6%	$249
2031	$0.1997	1,262	$0.00	1.30	2.6%	$259
2032	$0.2074	1,262	$0.00	1.30	2.6%	$269
2033	$0.2155	1,262	$0.00	1.30	2.6%	$279
2034	$0.2238	1,262	$0.00	1.30	2.6%	$290
2035	$0.2325	1,262	$0.00	1.30	2.6%	$301
2036	$0.2415	1,262	$0.00	1.30	2.6%	$313
2037	$0.2509	1,262	$0.00	1.30	2.6%	$325
2038	$0.2607	1,262	$0.00	1.30	2.6%	$337
2039	$0.2708	1,262	$0.00	1.30	2.6%	$351
2040	$0.2813	1,262	$0.00	1.30	2.6%	$364
2041	$0.2922	1,262	$0.00	1.30	2.6%	$378
2042	$0.3035	1,262	$0.00	1.30	2.6%	$393
2043	$0.3153	1,262	$0.00	1.30	2.6%	$408
2044	$0.3275	1,262	$0.00	1.30	2.6%	$424

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	63	2.5%	$47
2026	$0.7573	63	2.5%	$49
2027	$0.7856	63	2.5%	$51
2028	$0.8150	63	2.5%	$53
2029	$0.8455	63	2.5%	$55
2030	$0.8771	63	2.5%	$57
2031	$0.9099	63	2.5%	$59
2032	$0.9439	63	2.5%	$61
2033	$0.9792	63	2.5%	$63
2034	$1.0159	63	2.5%	$66
2035	$1.0539	63	2.5%	$68
2036	$1.0933	63	2.5%	$71
2037	$1.1342	63	2.5%	$73
2038	$1.1766	63	2.5%	$76
2039	$1.2206	63	2.5%	$79
2040	$1.2662	63	2.5%	$82
2041	$1.3136	63	2.5%	$85
2042	$1.3627	63	2.5%	$88
2043	$1.4137	63	2.5%	$91
2044	$1.4666	63	2.5%	$95

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	63	2.5%	$44
2026	$0.7138	63	2.5%	$46
2027	$0.7405	63	2.5%	$48
2028	$0.7682	63	2.5%	$50
2029	$0.7969	63	2.5%	$51
2030	$0.8268	63	2.5%	$53
2031	$0.8577	63	2.5%	$55
2032	$0.8898	63	2.5%	$57
2033	$0.9230	63	2.5%	$60
2034	$0.9575	63	2.5%	$62
2035	$0.9934	63	2.5%	$64
2036	$1.0305	63	2.5%	$67
2037	$1.0691	63	2.5%	$69
2038	$1.1090	63	2.5%	$72
2039	$1.1505	63	2.5%	$74
2040	$1.1935	63	2.5%	$77
2041	$1.2382	63	2.5%	$80
2042	$1.2845	63	2.5%	$83
2043	$1.3325	63	2.5%	$86
2044	$1.3824	63	2.5%	$89

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	1.31%	2.5%	$3
2026	$18.84	$226.02	1.31%	2.5%	$3
2027	$18.84	$226.02	1.31%	2.5%	$3
2028	$18.84	$226.02	1.31%	2.5%	$3
2029	$18.84	$226.02	1.31%	2.5%	$3
2030	$18.84	$226.02	1.31%	2.5%	$3
2031	$18.84	$226.02	1.31%	2.5%	$3
2032	$18.84	$226.02	1.31%	2.5%	$3
2033	$18.84	$226.02	1.31%	2.5%	$3
2034	$18.84	$226.02	1.31%	2.5%	$3
2035	$18.84	$226.02	1.31%	2.5%	$3
2036	$18.84	$226.02	1.31%	2.5%	$3
2037	$18.84	$226.02	1.31%	2.5%	$3
2038	$18.84	$226.02	1.31%	2.5%	$3
2039	$18.84	$226.02	1.31%	2.5%	$3
2040	$18.84	$226.02	1.31%	2.5%	$3
2041	$18.84	$226.02	1.31%	2.5%	$3
2042	$18.84	$226.02	1.31%	2.5%	$3
2043	$18.84	$226.02	1.31%	2.5%	$3
2044	$18.84	$226.02	1.31%	2.5%	$3

Appliance Type:
Furnace (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	$206	$550	$0	$756	$1,200	($2,367)	$2,102	$0	$47	$44	$3	$1,030
2026	$214	$0	$0	$214	$0	$0	$0	$0	$49	$46	$3	$98
2027	$222	$0	$0	$222	$0	$0	$0	$0	$51	$48	$3	$102
2028	$231	$0	$0	$231	$0	$0	$0	$0	$53	$50	$3	$105
2029	$240	$0	$0	$240	$0	$0	$0	$0	$55	$51	$3	$109
2030	$249	$0	$0	$249	$0	$0	$0	$0	$57	$53	$3	$113
2031	$259	$0	$0	$259	$0	$0	$0	$0	$59	$55	$3	$117
2032	$269	$0	$0	$269	$0	$0	$0	$0	$61	$57	$3	$121
2033	$279	$0	$0	$279	$0	$0	$0	$0	$63	$60	$3	$126
2034	$290	$0	$0	$290	$0	$0	$0	$0	$66	$62	$3	$130
2035	$301	$0	$0	$301	$0	$0	$0	$0	$68	$64	$3	$135
2036	$313	$0	$0	$313	$0	$0	$0	$0	$71	$67	$3	$140
2037	$325	$0	$0	$325	$0	$0	$0	$0	$73	$69	$3	$145
2038	$337	$0	$0	$337	$0	$0	$0	$0	$76	$72	$3	$151
2039	$351	$0	$0	$351	$0	$0	$0	$0	$79	$74	$3	$156
2040	$364	$0	$0	$364	$0	$0	$0	$0	$82	$77	$3	$162
2041	$378	$0	$0	$378	$0	$0	$0	$0	$85	$80	$3	$168
2042	$393	$0	$0	$393	$0	$0	$0	$0	$88	$83	$3	$174
2043	$408	$0	$0	$408	$0	$0	$0	$0	$91	$86	$3	$180
2044	$424	$0	$0	$424	$0	$0	$0	$0	$95	$89	$3	$187

Present Value of Benefits $4,465

Present Value of Costs $2,697

Benefit/Cost Ratio **1.66**

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Furnace (1)	Building Type - Residential

her Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (1), Clothes Drying i

Fuel Rate Escalator	3.74%	Depreciation Rate - Supply Main	2.23%
Gas Energy Charge Escalator	3.74%	Depreciation Rate - Development	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	63	$0.6881	$43
2026	63	$0.7138	$45
2027	63	$0.7405	$47
2028	63	$0.7682	$48
2029	63	$0.7969	$50
2030	63	$0.8268	$52
2031	63	$0.8577	$54
2032	63	$0.8898	$56
2033	63	$0.9230	$58
2034	63	$0.9575	$60
2035	63	$0.9934	$63
2036	63	$1.0305	$65
2037	63	$1.0691	$67
2038	63	$1.1090	$70
2039	63	$1.1505	$72
2040	63	$1.1935	$75
2041	63	$1.2382	$78
2042	63	$1.2845	$81
2043	63	$1.3325	$84
2044	63	$1.3824	$87

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	63	$0.7300	$46
2026	63	$0.7573	$48
2027	63	$0.7856	$49
2028	63	$0.8150	$51
2029	63	$0.8455	$53
2030	63	$0.8771	$55
2031	63	$0.9099	$57
2032	63	$0.9439	$59
2033	63	$0.9792	$62
2034	63	$1.0159	$64
2035	63	$1.0539	$66
2036	63	$1.0933	$69
2037	63	$1.1342	$71
2038	63	$1.1766	$74
2039	63	$1.2206	$77
2040	63	$1.2662	$80
2041	63	$1.3136	$83
2042	63	$1.3627	$86
2043	63	$1.4137	$89
2044	63	$1.4666	$92

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	1.31%	$3
2026	$18.84	$226.02	1.31%	$3
2027	$18.84	$226.02	1.31%	$3
2028	$18.84	$226.02	1.31%	$3
2029	$18.84	$226.02	1.31%	$3
2030	$18.84	$226.02	1.31%	$3
2031	$18.84	$226.02	1.31%	$3
2032	$18.84	$226.02	1.31%	$3
2033	$18.84	$226.02	1.31%	$3
2034	$18.84	$226.02	1.31%	$3
2035	$18.84	$226.02	1.31%	$3
2036	$18.84	$226.02	1.31%	$3
2037	$18.84	$226.02	1.31%	$3
2038	$18.84	$226.02	1.31%	$3
2039	$18.84	$226.02	1.31%	$3
2040	$18.84	$226.02	1.31%	$3
2041	$18.84	$226.02	1.31%	$3
2042	$18.84	$226.02	1.31%	$3
2043	$18.84	$226.02	1.31%	$3
2044	$18.84	$226.02	1.31%	$3

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	63	$0.7300	$46
2026	63	$0.7573	$48
2027	63	$0.7856	$49
2028	63	$0.8150	$51
2029	63	$0.8455	$53
2030	63	$0.8771	$55
2031	63	$0.9099	$57
2032	63	$0.9439	$59
2033	63	$0.9792	$62
2034	63	$1.0159	$64
2035	63	$1.0539	$66
2036	63	$1.0933	$69
2037	63	$1.1342	$71
2038	63	$1.1766	$74
2039	63	$1.2206	$77
2040	63	$1.2662	$80
2041	63	$1.3136	$83
2042	63	$1.3627	$86
2043	63	$1.4137	$89
2044	63	$1.4666	$92

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	Investment Carrying Cost
2025	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2026	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2027	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2028	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2029	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2030	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2031	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2032	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2033	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2034	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2035	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2036	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2037	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2038	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2039	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2040	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2041	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2042	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2043	$0	$0	$0	$0	$0	6.87%	1.31%	$0
2044	$0	$0	$0	$0	$0	6.87%	1.31%	$0

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 Incrementa l Adm. & O&M Cost
2025	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2026	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2027	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2028	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2029	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2030	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2031	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2032	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2033	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2034	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2035	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2036	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2037	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2038	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2039	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2040	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2041	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2042	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2043	$0.00	$0	1.31%	$0.00	$0.00	$0	$0
2044	$0.00	$0	1.31%	$0.00	$0.00	$0	$0

Appliance Type
Furnace (1)

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

Other Equipment Included in Analysis: Water Heating - Tank (1), Cooking Equipment (1), Pool Heating (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	$43	$46	$3	$92	$46	$0	$0	$550.05	$596
2026	$45	$48	$3	$96	$48	$0	$0	$0.05	$48
2027	$47	$49	$3	$99	$49	$0	$0	$0.05	$50
2028	$48	$51	$3	$103	$51	$0	$0	$0.05	$51
2029	$50	$53	$3	$106	$53	$0	$0	$0.05	$53
2030	$52	$55	$3	$110	$55	$0	$0	$0.05	$55
2031	$54	$57	$3	$114	$57	$0	$0	$0.05	$57
2032	$56	$59	$3	$118	$59	$0	$0	$0.05	$60
2033	$58	$62	$3	$123	$62	$0	$0	$0.05	$62
2034	$60	$64	$3	$127	$64	$0	$0	$0.05	$64
2035	$63	$66	$3	$132	$66	$0	$0	$0.05	$66
2036	$65	$69	$3	$137	$69	$0	$0	$0.05	$69
2037	$67	$71	$3	$142	$71	$0	$0	$0.05	$72
2038	$70	$74	$3	$147	$74	$0	$0	$0.05	$74
2039	$72	$77	$3	$152	$77	$0	$0	$0.05	$77
2040	$75	$80	$3	$158	$80	$0	$0	$0.05	$80
2041	$78	$83	$3	$164	$83	$0	$0	$0.05	$83
2042	$81	$86	$3	$170	$86	$0	$0	$0.05	$86
2043	$84	$89	$3	$176	$89	$0	$0	$0.05	$89
2044	$87	$92	$3	$182	$92	$0	$0	$0.05	$92

Present Value of Benefits **$1,719**

Present Value of Costs **$1,416**

Benefit/Cost Ratio **1.22**

Florida Public Utilities Company
ENERGY STAR Water Heater Analysis – Revision Summary

Revision Area	Completed Revision
Energy Factor	Updated from 0.62 to 0.82
Excel Model	Workbook formulas and assumptions updated to reflect revised EF
Normalized Consumption	Reduced from 183 to 140.07 therms/year
Replacement Logic	Verified second replacement rebate and installation cost treatment in Participant a

Updated Cost-Effectiveness Results

Scenario	Gas RIM	Participant Test
New Construction ($750)	1.20	2.02
Retention ($450)	1.39	1.97
Retrofit ($700)	1.22	2.01

Summary of Work Completed

Implemented the ENERGY STAR water heater methodology by updating the assumed Energy Factor from 0.62 to 0.82 and coding the revised assumptions into the Excel screening workbook. The normalized annual gas consumption was recalculated from 183 therms/year to 140.07 therms/year based on the improved efficiency. Maintained the proposed rebate levels while confirming that all Participant Test and Gas Rate Impact Measure (RIM) Test results remained cost-effective. Verified that the replacement installation cost is correctly applied within the Participant Test and that the second replacement rebate is appropriately reflected within the Gas RIM Test, ensuring consistency with the revised screening methodology.

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:	0.7 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	[redacted]
	Total Building Therms	4,814
	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	3.8%
	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:	2.54 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	3,546
	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	3,546	$0.00	0.00	2.6%	$578
2026	$0.1651	3,546	$0.00	0.00	2.6%	$600
2027	$0.1715	3,546	$0.00	0.00	2.6%	$624
2028	$0.1781	3,546	$0.00	0.00	2.6%	$648
2029	$0.1850	3,546	$0.00	0.00	2.6%	$673
2030	$0.1922	3,546	$0.00	0.00	2.6%	$699
2031	$0.1997	3,546	$0.00	0.00	2.6%	$726
2032	$0.2074	3,546	$0.00	0.00	2.6%	$755
2033	$0.2155	3,546	$0.00	0.00	2.6%	$784
2034	$0.2238	3,546	$0.00	0.00	2.6%	$814
2035	$0.2325	3,546	$0.00	0.00	2.6%	$846
2036	$0.2415	3,546	$0.00	0.00	2.6%	$879
2037	$0.2509	3,546	$0.00	0.00	2.6%	$913
2038	$0.2607	3,546	$0.00	0.00	2.6%	$948
2039	$0.2708	3,546	$0.00	0.00	2.6%	$985
2040	$0.2813	3,546	$0.00	0.00	2.6%	$1,023
2041	$0.2922	3,546	$0.00	0.00	2.6%	$1,063
2042	$0.3035	3,546	$0.00	0.00	2.6%	$1,104
2043	$0.3153	3,546	$0.00	0.00	2.6%	$1,147
2044	$0.3275	3,546	$0.00	0.00	2.6%	$1,191

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	140	2.5%	$105
2026	$0.7573	140	2.5%	$109
2027	$0.7856	140	2.5%	$113
2028	$0.8150	140	2.5%	$117
2029	$0.8455	140	2.5%	$121
2030	$0.8771	140	2.5%	$126
2031	$0.9099	140	2.5%	$131
2032	$0.9439	140	2.5%	$136
2033	$0.9792	140	2.5%	$141
2034	$1.0159	140	2.5%	$146
2035	$1.0539	140	2.5%	$151
2036	$1.0933	140	2.5%	$157
2037	$1.1342	140	2.5%	$163
2038	$1.1766	140	2.5%	$169
2039	$1.2206	140	2.5%	$175
2040	$1.2662	140	2.5%	$182
2041	$1.3136	140	2.5%	$189
2042	$1.3627	140	2.5%	$196
2043	$1.4137	140	2.5%	$203
2044	$1.4666	140	2.5%	$211

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	140	2.5%	$99
2026	$0.7138	140	2.5%	$102
2027	$0.7405	140	2.5%	$106
2028	$0.7682	140	2.5%	$110
2029	$0.7969	140	2.5%	$114
2030	$0.8268	140	2.5%	$119
2031	$0.8577	140	2.5%	$123
2032	$0.8898	140	2.5%	$128
2033	$0.9230	140	2.5%	$133
2034	$0.9575	140	2.5%	$137
2035	$0.9934	140	2.5%	$143
2036	$1.0305	140	2.5%	$148
2037	$1.0691	140	2.5%	$153
2038	$1.1090	140	2.5%	$159
2039	$1.1505	140	2.5%	$165
2040	$1.1935	140	2.5%	$171
2041	$1.2382	140	2.5%	$178
2042	$1.2845	140	2.5%	$184
2043	$1.3325	140	2.5%	$191
2044	$1.3824	140	2.5%	$198

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	3.80%	2.5%	$9
2026	$18.84	$226.02	3.80%	2.5%	$9
2027	$18.84	$226.02	3.80%	2.5%	$9
2028	$18.84	$226.02	3.80%	2.5%	$9
2029	$18.84	$226.02	3.80%	2.5%	$9
2030	$18.84	$226.02	3.80%	2.5%	$9
2031	$18.84	$226.02	3.80%	2.5%	$9
2032	$18.84	$226.02	3.80%	2.5%	$9
2033	$18.84	$226.02	3.80%	2.5%	$9
2034	$18.84	$226.02	3.80%	2.5%	$9
2035	$18.84	$226.02	3.80%	2.5%	$9
2036	$18.84	$226.02	3.80%	2.5%	$9
2037	$18.84	$226.02	3.80%	2.5%	$9
2038	$18.84	$226.02	3.80%	2.5%	$9
2039	$18.84	$226.02	3.80%	2.5%	$9
2040	$18.84	$226.02	3.80%	2.5%	$9
2041	$18.84	$226.02	3.80%	2.5%	$9
2042	$18.84	$226.02	3.80%	2.5%	$9
2043	$18.84	$226.02	3.80%	2.5%	$9
2044	$18.84	$226.02	3.80%	2.5%	$9

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)

Year	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	$578	$750	$0	$1,328	$629	($1,288)	$1,414	$18	$105	$99	$9	$986
2026	$600	$0	$0	$600	$0	$0	$0	$19	$109	$102	$9	$239
2027	$624	$0	$0	$624	$0	$0	$0	$20	$113	$106	$9	$248
2028	$648	$0	$0	$648	$0	$0	$0	$21	$117	$110	$9	$257
2029	$673	$0	$0	$673	$0	$0	$0	$22	$121	$114	$9	$267
2030	$699	$0	$0	$699	$0	$0	$0	$23	$126	$119	$9	$276
2031	$726	$0	$0	$726	$0	$0	$0	$24	$131	$123	$9	$287
2032	$755	$0	$0	$755	$0	$0	$0	$25	$136	$128	$9	$297
2033	$784	$0	$0	$784	$0	$0	$0	$26	$141	$133	$9	$308
2034	$814	$0	$0	$814	$0	$0	$0	$27	$146	$137	$9	$319
2035	$846	$0	$0	$846	$0	$0	$0	$28	$151	$143	$9	$331
2036	$879	$0	$0	$879	$0	$0	$0	$30	$157	$148	$9	$343
2037	$913	$0	$0	$913	$0	$0	$0	$31	$163	$153	$9	$356
2038	$948	$0	$0	$948	$0	$0	$0	$32	$169	$159	$9	$369
2039	$985	$0	$0	$985	$0	$0	$0	$34	$175	$165	$9	$383
2040	$1,023	$0	$0	$1,023	$1,200	-$2,457	$2,697	$35	$182	$171	$9	$1,838
2041	$1,063	$0	$0	$1,063	$0	$0	$0	$37	$189	$178	$9	$412
2042	$1,104	$0	$0	$1,104	$0	$0	$0	$39	$196	$184	$9	$427
2043	$1,147	$0	$0	$1,147	$0	$0	$0	$40	$203	$191	$9	$443
2044	$1,191	$0	$0	$1,191	$0	$0	$0	$42	$211	$198	$9	$460

Present Value of Benefits $11,751

Present Value of Costs $5,822

Benefit/Cost Ratio 2.02

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	140	$0.6881	$96
2026	140	$0.7138	$100
2027	140	$0.7405	$104
2028	140	$0.7682	$108
2029	140	$0.7969	$112
2030	140	$0.8268	$116
2031	140	$0.8577	$120
2032	140	$0.8898	$125
2033	140	$0.9230	$129
2034	140	$0.9575	$134
2035	140	$0.9934	$139
2036	140	$1.0305	$144
2037	140	$1.0691	$150
2038	140	$1.1090	$155
2039	140	$1.1505	$161
2040	140	$1.1935	$167
2041	140	$1.2382	$173
2042	140	$1.2845	$180
2043	140	$1.3325	$187
2044	140	$1.3824	$194

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	140	$0.7300	$102
2026	140	$0.7573	$106
2027	140	$0.7856	$110
2028	140	$0.8150	$114
2029	140	$0.8455	$118
2030	140	$0.8771	$123
2031	140	$0.9099	$127
2032	140	$0.9439	$132
2033	140	$0.9792	$137
2034	140	$1.0159	$142
2035	140	$1.0539	$148
2036	140	$1.0933	$153
2037	140	$1.1342	$159
2038	140	$1.1766	$165
2039	140	$1.2206	$171
2040	140	$1.2662	$177
2041	140	$1.3136	$184
2042	140	$1.3627	$191
2043	140	$1.4137	$198
2044	140	$1.4666	$205

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	3.80%	$9
2026	$18.84	$226.02	3.80%	$9
2027	$18.84	$226.02	3.80%	$9
2028	$18.84	$226.02	3.80%	$9
2029	$18.84	$226.02	3.80%	$9
2030	$18.84	$226.02	3.80%	$9
2031	$18.84	$226.02	3.80%	$9
2032	$18.84	$226.02	3.80%	$9
2033	$18.84	$226.02	3.80%	$9
2034	$18.84	$226.02	3.80%	$9
2035	$18.84	$226.02	3.80%	$9
2036	$18.84	$226.02	3.80%	$9
2037	$18.84	$226.02	3.80%	$9
2038	$18.84	$226.02	3.80%	$9
2039	$18.84	$226.02	3.80%	$9
2040	$18.84	$226.02	3.80%	$9
2041	$18.84	$226.02	3.80%	$9
2042	$18.84	$226.02	3.80%	$9
2043	$18.84	$226.02	3.80%	$9
2044	$18.84	$226.02	3.80%	$9

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	140	$0.7300	$102
2026	140	$0.7573	$106
2027	140	$0.7856	$110
2028	140	$0.8150	$114
2029	140	$0.8455	$118
2030	140	$0.8771	$123
2031	140	$0.9099	$127
2032	140	$0.9439	$132
2033	140	$0.9792	$137
2034	140	$1.0159	$142
2035	140	$1.0539	$148
2036	140	$1.0933	$153
2037	140	$1.1342	$159
2038	140	$1.1766	$165
2039	140	$1.2206	$171
2040	140	$1.2662	$177
2041	140	$1.3136	$184
2042	140	$1.3627	$191
2043	140	$1.4137	$198
2044	140	$1.4666	$205

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%	3.80%	$12
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.80%	$12
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.80%	$11
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.80%	$11
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.80%	$11
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.80%	$11
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.80%	$10
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.80%	$10
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.80%	$10
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.80%	$9
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.80%	$9
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.80%	$9
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.80%	$9
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.80%	$9
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.80%	$8
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.80%	$8
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.80%	$8
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.80%	$8
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.80%	$8
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.80%	$7

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	3.80%	$0.49	$18.45	$1	$1
2026	$1.16	$14	3.80%	$0.53	$19.27	$1	$1
2027	$1.21	$15	3.80%	$0.57	$20.12	$1	$1
2028	$1.26	$15	3.80%	$0.57	$21.01	$1	$1
2029	$1.32	$16	3.80%	$0.61	$21.94	$1	$1
2030	$1.38	$17	3.80%	$0.65	$22.92	$1	$2
2031	$1.44	$17	3.80%	$0.65	$23.93	$1	$2
2032	$1.50	$18	3.80%	$0.68	$24.99	$1	$2
2033	$1.57	$19	3.80%	$0.72	$26.10	$1	$2
2034	$1.64	$20	3.80%	$0.76	$27.25	$1	$2
2035	$1.71	$21	3.80%	$0.80	$28.46	$1	$2
2036	$1.79	$21	3.80%	$0.80	$29.72	$1	$2
2037	$1.87	$22	3.80%	$0.84	$31.04	$1	$2
2038	$1.95	$23	3.80%	$0.87	$32.41	$1	$2
2039	$2.04	$24	3.80%	$0.91	$33.85	$1	$2
2040	$2.13	$26	3.80%	$0.99	$35.35	$1	$2
2041	$2.22	$27	3.80%	$1.03	$36.91	$1	$2
2042	$2.32	$28	3.80%	$1.06	$38.55	$1	$3
2043	$2.42	$29	3.80%	$1.10	$40.26	$2	$3
2044	$2.53	$30	3.80%	$1.14	$42.04	$2	$3

RIM Test - Results

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	$96	$102	$9	$207	$102	$12	$1	$750.03	$865
2026	$100	$106	$9	$215	$106	$12	$1	$0.03	$119
2027	$104	$110	$9	$222	$110	$11	$1	$0.03	$123
2028	$108	$114	$9	$230	$114	$11	$1	$0.03	$127
2029	$112	$118	$9	$239	$118	$11	$1	$0.03	$131
2030	$116	$123	$9	$247	$123	$11	$2	$0.03	$135
2031	$120	$127	$9	$256	$127	$10	$2	$0.03	$139
2032	$125	$132	$9	$265	$132	$10	$2	$0.03	$144
2033	$129	$137	$9	$275	$137	$10	$2	$0.03	$149
2034	$134	$142	$9	$285	$142	$9	$2	$0.03	$154
2035	$139	$148	$9	$295	$148	$9	$2	$0.03	$159
2036	$144	$153	$9	$306	$153	$9	$2	$0.03	$164
2037	$150	$159	$9	$317	$159	$9	$2	$0.03	$170
2038	$155	$165	$9	$329	$165	$9	$2	$0.03	$175
2039	$161	$171	$9	$341	$171	$8	$2	$0.03	$182
2040	$167	$177	$9	$353	$177	$8	$2	$750.03	$938
2041	$173	$184	$9	$366	$184	$8	$2	$0.03	$194
2042	$180	$191	$9	$379	$191	$8	$3	$0.03	$201
2043	$187	$198	$9	$393	$198	$8	$3	$0.03	$208
2044	$194	$205	$9	$408	$205	$7	$3	$0.03	$216

Present Value of Benefits $3,850

Present Value of Costs $3,222

Benefit/Cost Ratio 1.20

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:	0.7 tonnes CO2/year	
Allowance:	$450	
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	$450
II.	**Operating Data**	
	Therms Consumed	140
	Total Building Therms	4,814
	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	3.8%
	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:	2.54 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	3,546
	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	3,546	$0.00	0.00	2.6%	$578
2026	$0.1651	3,546	$0.00	0.00	2.6%	$600
2027	$0.1715	3,546	$0.00	0.00	2.6%	$624
2028	$0.1781	3,546	$0.00	0.00	2.6%	$648
2029	$0.1850	3,546	$0.00	0.00	2.6%	$673
2030	$0.1922	3,546	$0.00	0.00	2.6%	$699
2031	$0.1997	3,546	$0.00	0.00	2.6%	$726
2032	$0.2074	3,546	$0.00	0.00	2.6%	$755
2033	$0.2155	3,546	$0.00	0.00	2.6%	$784
2034	$0.2238	3,546	$0.00	0.00	2.6%	$814
2035	$0.2325	3,546	$0.00	0.00	2.6%	$846
2036	$0.2415	3,546	$0.00	0.00	2.6%	$879
2037	$0.2509	3,546	$0.00	0.00	2.6%	$913
2038	$0.2607	3,546	$0.00	0.00	2.6%	$948
2039	$0.2708	3,546	$0.00	0.00	2.6%	$985
2040	$0.2813	3,546	$0.00	0.00	2.6%	$1,023
2041	$0.2922	3,546	$0.00	0.00	2.6%	$1,063
2042	$0.3035	3,546	$0.00	0.00	2.6%	$1,104
2043	$0.3153	3,546	$0.00	0.00	2.6%	$1,147
2044	$0.3275	3,546	$0.00	0.00	2.6%	$1,191

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	140	2.5%	$105
2026	$0.7573	140	2.5%	$109
2027	$0.7856	140	2.5%	$113
2028	$0.8150	140	2.5%	$117
2029	$0.8455	140	2.5%	$121
2030	$0.8771	140	2.5%	$126
2031	$0.9099	140	2.5%	$131
2032	$0.9439	140	2.5%	$136
2033	$0.9792	140	2.5%	$141
2034	$1.0159	140	2.5%	$146
2035	$1.0539	140	2.5%	$151
2036	$1.0933	140	2.5%	$157
2037	$1.1342	140	2.5%	$163
2038	$1.1766	140	2.5%	$169
2039	$1.2206	140	2.5%	$175
2040	$1.2662	140	2.5%	$182
2041	$1.3136	140	2.5%	$189
2042	$1.3627	140	2.5%	$196
2043	$1.4137	140	2.5%	$203
2044	$1.4666	140	2.5%	$211

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	140	2.5%	$99
2026	$0.7138	140	2.5%	$102
2027	$0.7405	140	2.5%	$106
2028	$0.7682	140	2.5%	$110
2029	$0.7969	140	2.5%	$114
2030	$0.8268	140	2.5%	$119
2031	$0.8577	140	2.5%	$123
2032	$0.8898	140	2.5%	$128
2033	$0.9230	140	2.5%	$133
2034	$0.9575	140	2.5%	$137
2035	$0.9934	140	2.5%	$143
2036	$1.0305	140	2.5%	$148
2037	$1.0691	140	2.5%	$153
2038	$1.1090	140	2.5%	$159
2039	$1.1505	140	2.5%	$165
2040	$1.1935	140	2.5%	$171
2041	$1.2382	140	2.5%	$178
2042	$1.2845	140	2.5%	$184
2043	$1.3325	140	2.5%	$191
2044	$1.3824	140	2.5%	$198

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	3.80%	2.5%	$9
2026	$18.84	$226.02	3.80%	2.5%	$9
2027	$18.84	$226.02	3.80%	2.5%	$9
2028	$18.84	$226.02	3.80%	2.5%	$9
2029	$18.84	$226.02	3.80%	2.5%	$9
2030	$18.84	$226.02	3.80%	2.5%	$9
2031	$18.84	$226.02	3.80%	2.5%	$9
2032	$18.84	$226.02	3.80%	2.5%	$9
2033	$18.84	$226.02	3.80%	2.5%	$9
2034	$18.84	$226.02	3.80%	2.5%	$9
2035	$18.84	$226.02	3.80%	2.5%	$9
2036	$18.84	$226.02	3.80%	2.5%	$9
2037	$18.84	$226.02	3.80%	2.5%	$9
2038	$18.84	$226.02	3.80%	2.5%	$9
2039	$18.84	$226.02	3.80%	2.5%	$9
2040	$18.84	$226.02	3.80%	2.5%	$9
2041	$18.84	$226.02	3.80%	2.5%	$9
2042	$18.84	$226.02	3.80%	2.5%	$9
2043	$18.84	$226.02	3.80%	2.5%	$9
2044	$18.84	$226.02	3.80%	2.5%	$9

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	$578	$450	$0	$1,028	$629	($1,288)	$1,414	$18	$105	$99	$9	$986
2026	$600	$0	$0	$600	$0	$0	$0	$19	$109	$102	$9	$239
2027	$624	$0	$0	$624	$0	$0	$0	$20	$113	$106	$9	$248
2028	$648	$0	$0	$648	$0	$0	$0	$21	$117	$110	$9	$257
2029	$673	$0	$0	$673	$0	$0	$0	$22	$121	$114	$9	$267
2030	$699	$0	$0	$699	$0	$0	$0	$23	$126	$119	$9	$276
2031	$726	$0	$0	$726	$0	$0	$0	$24	$131	$123	$9	$287
2032	$755	$0	$0	$755	$0	$0	$0	$25	$136	$128	$9	$297
2033	$784	$0	$0	$784	$0	$0	$0	$26	$141	$133	$9	$308
2034	$814	$0	$0	$814	$0	$0	$0	$27	$146	$137	$9	$319
2035	$846	$0	$0	$846	$0	$0	$0	$28	$151	$143	$9	$331
2036	$879	$0	$0	$879	$0	$0	$0	$30	$157	$148	$9	$343
2037	$913	$0	$0	$913	$0	$0	$0	$31	$163	$153	$9	$356
2038	$948	$0	$0	$948	$0	$0	$0	$32	$169	$159	$9	$369
2039	$985	$0	$0	$985	$0	$0	$0	$34	$175	$165	$9	$383
2040	$1,023	$0	$0	$1,023	$1,200	-$2,457	$2,697	$35	$182	$171	$9	$1,838
2041	$1,063	$0	$0	$1,063	$0	$0	$0	$37	$189	$178	$9	$412
2042	$1,104	$0	$0	$1,104	$0	$0	$0	$39	$196	$184	$9	$427
2043	$1,147	$0	$0	$1,147	$0	$0	$0	$40	$203	$191	$9	$443
2044	$1,191	$0	$0	$1,191	$0	$0	$0	$42	$211	$198	$9	$460

Present Value of Benefits $11,451

Present Value of Costs $5,822

Benefit/Cost Ratio 1.97

Associated Gas Distributors of Florida
Residential Energy Conservation Program

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

ither 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 Year	2 Therms	3 Base Rate	2*3 Total Charge
2025	140	$0.6881	$96
2026	140	$0.7138	$100
2027	140	$0.7405	$104
2028	140	$0.7682	$108
2029	140	$0.7969	$112
2030	140	$0.8268	$116
2031	140	$0.8577	$120
2032	140	$0.8898	$125
2033	140	$0.9230	$129
2034	140	$0.9575	$134
2035	140	$0.9934	$139
2036	140	$1.0305	$144
2037	140	$1.0691	$150
2038	140	$1.1090	$155
2039	140	$1.1505	$161
2040	140	$1.1935	$167
2041	140	$1.2382	$173
2042	140	$1.2845	$180
2043	140	$1.3325	$187
2044	140	$1.3824	$194

Table 1a

Revenue - Cost of Gas

1 Year	2 Therms	3 Fuel Rate	2*3 Total Charge
2025	140	$0.7300	$102
2026	140	$0.7573	$106
2027	140	$0.7856	$110
2028	140	$0.8150	$114
2029	140	$0.8455	$118
2030	140	$0.8771	$123
2031	140	$0.9099	$127
2032	140	$0.9439	$132
2033	140	$0.9792	$137
2034	140	$1.0159	$142
2035	140	$1.0539	$148
2036	140	$1.0933	$153
2037	140	$1.1342	$159
2038	140	$1.1766	$165
2039	140	$1.2206	$171
2040	140	$1.2662	$177
2041	140	$1.3136	$184
2042	140	$1.3627	$191
2043	140	$1.4137	$198
2044	140	$1.4666	$205

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 Year	2 Monthly Customer Charge	3 Annual Customer Charge	4 Ratio Therms To Total Consumed	3*4 Prorated Annual Custo
2025	$18.84	$226.02	3.80%	$9
2026	$18.84	$226.02	3.80%	$9
2027	$18.84	$226.02	3.80%	$9
2028	$18.84	$226.02	3.80%	$9
2029	$18.84	$226.02	3.80%	$9
2030	$18.84	$226.02	3.80%	$9
2031	$18.84	$226.02	3.80%	$9
2032	$18.84	$226.02	3.80%	$9
2033	$18.84	$226.02	3.80%	$9
2034	$18.84	$226.02	3.80%	$9
2035	$18.84	$226.02	3.80%	$9
2036	$18.84	$226.02	3.80%	$9
2037	$18.84	$226.02	3.80%	$9
2038	$18.84	$226.02	3.80%	$9
2039	$18.84	$226.02	3.80%	$9
2040	$18.84	$226.02	3.80%	$9
2041	$18.84	$226.02	3.80%	$9
2042	$18.84	$226.02	3.80%	$9
2043	$18.84	$226.02	3.80%	$9
2044	$18.84	$226.02	3.80%	$9

Table 3

Gas Costs

1 Year	2 Therms	3 Gas Supply Rate	2*3 Gas Supply Cost
2025	140	$0.7300	$102
2026	140	$0.7573	$106
2027	140	$0.7856	$110
2028	140	$0.8150	$114
2029	140	$0.8455	$118
2030	140	$0.8771	$123
2031	140	$0.9099	$127
2032	140	$0.9439	$132
2033	140	$0.9792	$137
2034	140	$1.0159	$142
2035	140	$1.0539	$148
2036	140	$1.0933	$153
2037	140	$1.1342	$159
2038	140	$1.1766	$165
2039	140	$1.2206	$171
2040	140	$1.2662	$177
2041	140	$1.3136	$184
2042	140	$1.3627	$191
2043	140	$1.4137	$198
2044	140	$1.4666	$205

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%	3.80%	$12
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.80%	$12
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.80%	$11
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.80%	$11
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.80%	$11
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.80%	$11
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.80%	$10
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.80%	$10
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.80%	$10
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.80%	$9
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.80%	$9
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.80%	$9
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.80%	$9
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.80%	$9
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.80%	$8
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.80%	$8
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.80%	$8
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.80%	$8
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.80%	$8
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.80%	$7

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	3.80%	$0.49	$18.45	$1	$1
2026	$1.16	$14	3.80%	$0.53	$19.27	$1	$1
2027	$1.21	$15	3.80%	$0.57	$20.12	$1	$1
2028	$1.26	$15	3.80%	$0.57	$21.01	$1	$1
2029	$1.32	$16	3.80%	$0.61	$21.94	$1	$1
2030	$1.38	$17	3.80%	$0.65	$22.92	$1	$2
2031	$1.44	$17	3.80%	$0.65	$23.93	$1	$2
2032	$1.50	$18	3.80%	$0.68	$24.99	$1	$2
2033	$1.57	$19	3.80%	$0.72	$26.10	$1	$2
2034	$1.64	$20	3.80%	$0.76	$27.25	$1	$2
2035	$1.71	$21	3.80%	$0.80	$28.46	$1	$2
2036	$1.79	$21	3.80%	$0.80	$29.72	$1	$2
2037	$1.87	$22	3.80%	$0.84	$31.04	$1	$2
2038	$1.95	$23	3.80%	$0.87	$32.41	$1	$2
2039	$2.04	$24	3.80%	$0.91	$33.85	$1	$2
2040	$2.13	$26	3.80%	$0.99	$35.35	$1	$2
2041	$2.22	$27	3.80%	$1.03	$36.91	$1	$2
2042	$2.32	$28	3.80%	$1.06	$38.55	$1	$3
2043	$2.42	$29	3.80%	$1.10	$40.26	$2	$3
2044	$2.53	$30	3.80%	$1.14	$42.04	$2	$3

RIM 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)

	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	$96	$102	$9	$207	$102	$12	$1	$450.03	$565
2026	$100	$106	$9	$215	$106	$12	$1	$0.03	$119
2027	$104	$110	$9	$222	$110	$11	$1	$0.03	$123
2028	$108	$114	$9	$230	$114	$11	$1	$0.03	$127
2029	$112	$118	$9	$239	$118	$11	$1	$0.03	$131
2030	$116	$123	$9	$247	$123	$11	$2	$0.03	$135
2031	$120	$127	$9	$256	$127	$10	$2	$0.03	$139
2032	$125	$132	$9	$265	$132	$10	$2	$0.03	$144
2033	$129	$137	$9	$275	$137	$10	$2	$0.03	$149
2034	$134	$142	$9	$285	$142	$9	$2	$0.03	$154
2035	$139	$148	$9	$295	$148	$9	$2	$0.03	$159
2036	$144	$153	$9	$306	$153	$9	$2	$0.03	$164
2037	$150	$159	$9	$317	$159	$9	$2	$0.03	$170
2038	$155	$165	$9	$329	$165	$9	$2	$0.03	$175
2039	$161	$171	$9	$341	$171	$8	$2	$0.03	$182
2040	$167	$177	$9	$353	$177	$8	$2	$450.03	$638
2041	$173	$184	$9	$366	$184	$8	$2	$0.03	$194
2042	$180	$191	$9	$379	$191	$8	$3	$0.03	$201
2043	$187	$198	$9	$393	$198	$8	$3	$0.03	$208
2044	$194	$205	$9	$408	$205	$7	$3	$0.03	$216

Present Value of Benefits $3,850

Present Value of Costs $2,765

Benefit/Cost Ratio 1.39

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:	0.7 tonnes CO2/year	
Allowance:	$700	
Gas Utility:	Average	
I.	**Installed Cost Data**	
	Equipment	$629
	Installation	$1,414
	Total Customer Cost	$2,043
	Replacement Installation	[redacted] $594
	Total Replacement (incl Equip)	$1,223
	Utility Rebate	$700
II.	**Operating Data**	
	Therms Consumed	140
	Total Building Therms	4,814
	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	3.8%
	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:	2.54 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	3,546
	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	3,546	$0.00	0.00	2.6%	$578
2026	$0.1651	3,546	$0.00	0.00	2.6%	$600
2027	$0.1715	3,546	$0.00	0.00	2.6%	$624
2028	$0.1781	3,546	$0.00	0.00	2.6%	$648
2029	$0.1850	3,546	$0.00	0.00	2.6%	$673
2030	$0.1922	3,546	$0.00	0.00	2.6%	$699
2031	$0.1997	3,546	$0.00	0.00	2.6%	$726
2032	$0.2074	3,546	$0.00	0.00	2.6%	$755
2033	$0.2155	3,546	$0.00	0.00	2.6%	$784
2034	$0.2238	3,546	$0.00	0.00	2.6%	$814
2035	$0.2325	3,546	$0.00	0.00	2.6%	$846
2036	$0.2415	3,546	$0.00	0.00	2.6%	$879
2037	$0.2509	3,546	$0.00	0.00	2.6%	$913
2038	$0.2607	3,546	$0.00	0.00	2.6%	$948
2039	$0.2708	3,546	$0.00	0.00	2.6%	$985
2040	$0.2813	3,546	$0.00	0.00	2.6%	$1,023
2041	$0.2922	3,546	$0.00	0.00	2.6%	$1,063
2042	$0.3035	3,546	$0.00	0.00	2.6%	$1,104
2043	$0.3153	3,546	$0.00	0.00	2.6%	$1,147
2044	$0.3275	3,546	$0.00	0.00	2.6%	$1,191

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	140	2.5%	$105
2026	$0.7573	140	2.5%	$109
2027	$0.7856	140	2.5%	$113
2028	$0.8150	140	2.5%	$117
2029	$0.8455	140	2.5%	$121
2030	$0.8771	140	2.5%	$126
2031	$0.9099	140	2.5%	$131
2032	$0.9439	140	2.5%	$136
2033	$0.9792	140	2.5%	$141
2034	$1.0159	140	2.5%	$146
2035	$1.0539	140	2.5%	$151
2036	$1.0933	140	2.5%	$157
2037	$1.1342	140	2.5%	$163
2038	$1.1766	140	2.5%	$169
2039	$1.2206	140	2.5%	$175
2040	$1.2662	140	2.5%	$182
2041	$1.3136	140	2.5%	$189
2042	$1.3627	140	2.5%	$196
2043	$1.4137	140	2.5%	$203
2044	$1.4666	140	2.5%	$211

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	140	2.5%	$99
2026	$0.7138	140	2.5%	$102
2027	$0.7405	140	2.5%	$106
2028	$0.7682	140	2.5%	$110
2029	$0.7969	140	2.5%	$114
2030	$0.8268	140	2.5%	$119
2031	$0.8577	140	2.5%	$123
2032	$0.8898	140	2.5%	$128
2033	$0.9230	140	2.5%	$133
2034	$0.9575	140	2.5%	$137
2035	$0.9934	140	2.5%	$143
2036	$1.0305	140	2.5%	$148
2037	$1.0691	140	2.5%	$153
2038	$1.1090	140	2.5%	$159
2039	$1.1505	140	2.5%	$165
2040	$1.1935	140	2.5%	$171
2041	$1.2382	140	2.5%	$178
2042	$1.2845	140	2.5%	$184
2043	$1.3325	140	2.5%	$191
2044	$1.3824	140	2.5%	$198

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	3.80%	2.5%	$9
2026	$18.84	$226.02	3.80%	2.5%	$9
2027	$18.84	$226.02	3.80%	2.5%	$9
2028	$18.84	$226.02	3.80%	2.5%	$9
2029	$18.84	$226.02	3.80%	2.5%	$9
2030	$18.84	$226.02	3.80%	2.5%	$9
2031	$18.84	$226.02	3.80%	2.5%	$9
2032	$18.84	$226.02	3.80%	2.5%	$9
2033	$18.84	$226.02	3.80%	2.5%	$9
2034	$18.84	$226.02	3.80%	2.5%	$9
2035	$18.84	$226.02	3.80%	2.5%	$9
2036	$18.84	$226.02	3.80%	2.5%	$9
2037	$18.84	$226.02	3.80%	2.5%	$9
2038	$18.84	$226.02	3.80%	2.5%	$9
2039	$18.84	$226.02	3.80%	2.5%	$9
2040	$18.84	$226.02	3.80%	2.5%	$9
2041	$18.84	$226.02	3.80%	2.5%	$9
2042	$18.84	$226.02	3.80%	2.5%	$9
2043	$18.84	$226.02	3.80%	2.5%	$9
2044	$18.84	$226.02	3.80%	2.5%	$9

Participants Test - Results

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)

	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	$578	$700	$0	$1,278	$629	($1,288)	$1,414	$18	$105	$99	$9	$986
2026	$600	$0	$0	$600	$0	$0	$0	$19	$109	$102	$9	$239
2027	$624	$0	$0	$624	$0	$0	$0	$20	$113	$106	$9	$248
2028	$648	$0	$0	$648	$0	$0	$0	$21	$117	$110	$9	$257
2029	$673	$0	$0	$673	$0	$0	$0	$22	$121	$114	$9	$267
2030	$699	$0	$0	$699	$0	$0	$0	$23	$126	$119	$9	$276
2031	$726	$0	$0	$726	$0	$0	$0	$24	$131	$123	$9	$287
2032	$755	$0	$0	$755	$0	$0	$0	$25	$136	$128	$9	$297
2033	$784	$0	$0	$784	$0	$0	$0	$26	$141	$133	$9	$308
2034	$814	$0	$0	$814	$0	$0	$0	$27	$146	$137	$9	$319
2035	$846	$0	$0	$846	$0	$0	$0	$28	$151	$143	$9	$331
2036	$879	$0	$0	$879	$0	$0	$0	$30	$157	$148	$9	$343
2037	$913	$0	$0	$913	$0	$0	$0	$31	$163	$153	$9	$356
2038	$948	$0	$0	$948	$0	$0	$0	$32	$169	$159	$9	$369
2039	$985	$0	$0	$985	$0	$0	$0	$34	$175	$165	$9	$383
2040	$1,023	$0	$0	$1,023	$1,200	-$2,457	$2,697	$35	$182	$171	$9	$1,838
2041	$1,063	$0	$0	$1,063	$0	$0	$0	$37	$189	$178	$9	$412
2042	$1,104	$0	$0	$1,104	$0	$0	$0	$39	$196	$184	$9	$427
2043	$1,147	$0	$0	$1,147	$0	$0	$0	$40	$203	$191	$9	$443
2044	$1,191	$0	$0	$1,191	$0	$0	$0	$42	$211	$198	$9	$460

Present Value of Benefits $11,701

Present Value of Costs $5,822

Benefit/Cost Ratio 2.01

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	140	$0.6881	$96
2026	140	$0.7138	$100
2027	140	$0.7405	$104
2028	140	$0.7682	$108
2029	140	$0.7969	$112
2030	140	$0.8268	$116
2031	140	$0.8577	$120
2032	140	$0.8898	$125
2033	140	$0.9230	$129
2034	140	$0.9575	$134
2035	140	$0.9934	$139
2036	140	$1.0305	$144
2037	140	$1.0691	$150
2038	140	$1.1090	$155
2039	140	$1.1505	$161
2040	140	$1.1935	$167
2041	140	$1.2382	$173
2042	140	$1.2845	$180
2043	140	$1.3325	$187
2044	140	$1.3824	$194

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	140	$0.7300	$102
2026	140	$0.7573	$106
2027	140	$0.7856	$110
2028	140	$0.8150	$114
2029	140	$0.8455	$118
2030	140	$0.8771	$123
2031	140	$0.9099	$127
2032	140	$0.9439	$132
2033	140	$0.9792	$137
2034	140	$1.0159	$142
2035	140	$1.0539	$148
2036	140	$1.0933	$153
2037	140	$1.1342	$159
2038	140	$1.1766	$165
2039	140	$1.2206	$171
2040	140	$1.2662	$177
2041	140	$1.3136	$184
2042	140	$1.3627	$191
2043	140	$1.4137	$198
2044	140	$1.4666	$205

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	3.80%	$9
2026	$18.84	$226.02	3.80%	$9
2027	$18.84	$226.02	3.80%	$9
2028	$18.84	$226.02	3.80%	$9
2029	$18.84	$226.02	3.80%	$9
2030	$18.84	$226.02	3.80%	$9
2031	$18.84	$226.02	3.80%	$9
2032	$18.84	$226.02	3.80%	$9
2033	$18.84	$226.02	3.80%	$9
2034	$18.84	$226.02	3.80%	$9
2035	$18.84	$226.02	3.80%	$9
2036	$18.84	$226.02	3.80%	$9
2037	$18.84	$226.02	3.80%	$9
2038	$18.84	$226.02	3.80%	$9
2039	$18.84	$226.02	3.80%	$9
2040	$18.84	$226.02	3.80%	$9
2041	$18.84	$226.02	3.80%	$9
2042	$18.84	$226.02	3.80%	$9
2043	$18.84	$226.02	3.80%	$9
2044	$18.84	$226.02	3.80%	$9

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	140	$0.7300	$102
2026	140	$0.7573	$106
2027	140	$0.7856	$110
2028	140	$0.8150	$114
2029	140	$0.8455	$118
2030	140	$0.8771	$123
2031	140	$0.9099	$127
2032	140	$0.9439	$132
2033	140	$0.9792	$137
2034	140	$1.0159	$142
2035	140	$1.0539	$148
2036	140	$1.0933	$153
2037	140	$1.1342	$159
2038	140	$1.1766	$165
2039	140	$1.2206	$171
2040	140	$1.2662	$177
2041	140	$1.3136	$184
2042	140	$1.3627	$191
2043	140	$1.4137	$198
2044	140	$1.4666	$205

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%	3.80%	$12
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.80%	$12
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.80%	$11
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.80%	$11
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.80%	$11
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.80%	$11
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.80%	$10
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.80%	$10
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.80%	$10
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.80%	$9
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.80%	$9
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.80%	$9
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.80%	$9
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.80%	$9
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.80%	$8
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.80%	$8
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.80%	$8
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.80%	$8
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.80%	$8
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.80%	$7

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	3.80%	$0.49	$18.45	$1	$1
2026	$1.16	$14	3.80%	$0.53	$19.27	$1	$1
2027	$1.21	$15	3.80%	$0.57	$20.12	$1	$1
2028	$1.26	$15	3.80%	$0.57	$21.01	$1	$1
2029	$1.32	$16	3.80%	$0.61	$21.94	$1	$1
2030	$1.38	$17	3.80%	$0.65	$22.92	$1	$2
2031	$1.44	$17	3.80%	$0.65	$23.93	$1	$2
2032	$1.50	$18	3.80%	$0.68	$24.99	$1	$2
2033	$1.57	$19	3.80%	$0.72	$26.10	$1	$2
2034	$1.64	$20	3.80%	$0.76	$27.25	$1	$2
2035	$1.71	$21	3.80%	$0.80	$28.46	$1	$2
2036	$1.79	$21	3.80%	$0.80	$29.72	$1	$2
2037	$1.87	$22	3.80%	$0.84	$31.04	$1	$2
2038	$1.95	$23	3.80%	$0.87	$32.41	$1	$2
2039	$2.04	$24	3.80%	$0.91	$33.85	$1	$2
2040	$2.13	$26	3.80%	$0.99	$35.35	$1	$2
2041	$2.22	$27	3.80%	$1.03	$36.91	$1	$2
2042	$2.32	$28	3.80%	$1.06	$38.55	$1	$3
2043	$2.42	$29	3.80%	$1.10	$40.26	$2	$3
2044	$2.53	$30	3.80%	$1.14	$42.04	$2	$3

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	$96	$102	$9	$207	$102	$12	$1	$700.03	$815
2026	$100	$106	$9	$215	$106	$12	$1	$0.03	$119
2027	$104	$110	$9	$222	$110	$11	$1	$0.03	$123
2028	$108	$114	$9	$230	$114	$11	$1	$0.03	$127
2029	$112	$118	$9	$239	$118	$11	$1	$0.03	$131
2030	$116	$123	$9	$247	$123	$11	$2	$0.03	$135
2031	$120	$127	$9	$256	$127	$10	$2	$0.03	$139
2032	$125	$132	$9	$265	$132	$10	$2	$0.03	$144
2033	$129	$137	$9	$275	$137	$10	$2	$0.03	$149
2034	$134	$142	$9	$285	$142	$9	$2	$0.03	$154
2035	$139	$148	$9	$295	$148	$9	$2	$0.03	$159
2036	$144	$153	$9	$306	$153	$9	$2	$0.03	$164
2037	$150	$159	$9	$317	$159	$9	$2	$0.03	$170
2038	$155	$165	$9	$329	$165	$9	$2	$0.03	$175
2039	$161	$171	$9	$341	$171	$8	$2	$0.03	$182
2040	$167	$177	$9	$353	$177	$8	$2	$700.03	$888
2041	$173	$184	$9	$366	$184	$8	$2	$0.03	$194
2042	$180	$191	$9	$379	$191	$8	$3	$0.03	$201
2043	$187	$198	$9	$393	$198	$8	$3	$0.03	$208
2044	$194	$205	$9	$408	$205	$7	$3	$0.03	$216

Present Value of Benefits $3,850

Present Value of Costs $3,146

Benefit/Cost Ratio 1.22

Florida Public Utilities Company
Tank Water Heater Analysis – Revision Summary

Revision Area	Final Revision
Household Assumption	3-person household
Annual Consumption	183 therms/year @ 0.61 Energy Factor
Rebates	$700 New Construction • $400 Retention • $600 Retrofit (unchanged)
2040 Replacement	Second replacement rebate modeled with 15-year equipment life
Cost Escalation	4.4% annual escalation applied through replacement year
Workbook Logic	Corrected macro to pull proper Tank vs. Tankless installation cost

Updated Cost-Effectiveness Results

Scenario	Participant Test	RIM Test
New Construction	1.67	1.34
Retention	1.72	1.60
Retrofit	1.66	1.39

Summary of Work Completed

• Revised the baseline tank water heater analysis using a three-person household assumption.
• Incorporated the second replacement rebate in 2040 and escalated replacement costs using a 4.4% annual escalation over the expected 15-year equipment life.
• Updated both the Participant Test and Rate Impact Measure (RIM) Test to reflect revised future utility and participant replacement costs.
• Resolved the workbook macro issue that previously referenced the incorrect installation cost (tank versus tankless), ensuring all replacement analyses now reference the proper installation cost automatically.

Result: The tank water heater workbook is fully updated and provides the methodology that will be applied next to the ENERGY STAR Tank Water Heater and Tankless Water Heater analyses.

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:	0.91 tonnes CO2/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	183
	Total Building Therms	4,814
	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	3.8%
	EC Program Adm. Cost	$0.26
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:	2.54 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	3,546
	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	[redacted] 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	3,546	$0.00	0.00	2.6%	$578
2026	$0.1651	3,546	$0.00	0.00	2.6%	$600
2027	$0.1715	3,546	$0.00	0.00	2.6%	$624
2028	$0.1781	3,546	$0.00	0.00	2.6%	$648
2029	$0.1850	3,546	$0.00	0.00	2.6%	$673
2030	$0.1922	3,546	$0.00	0.00	2.6%	$699
2031	$0.1997	3,546	$0.00	0.00	2.6%	$726
2032	$0.2074	3,546	$0.00	0.00	2.6%	$755
2033	$0.2155	3,546	$0.00	0.00	2.6%	$784
2034	$0.2238	3,546	$0.00	0.00	2.6%	$814
2035	$0.2325	3,546	$0.00	0.00	2.6%	$846
2036	$0.2415	3,546	$0.00	0.00	2.6%	$879
2037	$0.2509	3,546	$0.00	0.00	2.6%	$913
2038	$0.2607	3,546	$0.00	0.00	2.6%	$948
2039	$0.2708	3,546	$0.00	0.00	2.6%	$985
2040	$0.2813	3,546	$0.00	0.00	2.6%	$1,023
2041	$0.2922	3,546	$0.00	0.00	2.6%	$1,063
2042	$0.3035	3,546	$0.00	0.00	2.6%	$1,104
2043	$0.3153	3,546	$0.00	0.00	2.6%	$1,147
2044	$0.3275	3,546	$0.00	0.00	2.6%	$1,191

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	183	2.5%	$137
2026	$0.7573	183	2.5%	$142
2027	$0.7856	183	2.5%	$147
2028	$0.8150	183	2.5%	$153
2029	$0.8455	183	2.5%	$159
2030	$0.8771	183	2.5%	$165
2031	$0.9099	183	2.5%	$171
2032	$0.9439	183	2.5%	$177
2033	$0.9792	183	2.5%	$184
2034	$1.0159	183	2.5%	$191
2035	$1.0539	183	2.5%	$198
2036	$1.0933	183	2.5%	$205
2037	$1.1342	183	2.5%	$213
2038	$1.1766	183	2.5%	$221
2039	$1.2206	183	2.5%	$229
2040	$1.2662	183	2.5%	$238
2041	$1.3136	183	2.5%	$246
2042	$1.3627	183	2.5%	$256
2043	$1.4137	183	2.5%	$265
2044	$1.4666	183	2.5%	$275

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	183	2.5%	$129
2026	$0.7138	183	2.5%	$134
2027	$0.7405	183	2.5%	$139
2028	$0.7682	183	2.5%	$144
2029	$0.7969	183	2.5%	$149
2030	$0.8268	183	2.5%	$155
2031	$0.8577	183	2.5%	$161
2032	$0.8898	183	2.5%	$167
2033	$0.9230	183	2.5%	$173
2034	$0.9575	183	2.5%	$180
2035	$0.9934	183	2.5%	$186
2036	$1.0305	183	2.5%	$193
2037	$1.0691	183	2.5%	$201
2038	$1.1090	183	2.5%	$208
2039	$1.1505	183	2.5%	$216
2040	$1.1935	183	2.5%	$224
2041	$1.2382	183	2.5%	$232
2042	$1.2845	183	2.5%	$241
2043	$1.3325	183	2.5%	$250
2044	$1.3824	183	2.5%	$259

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	3.80%	2.5%	$9
2026	$18.84	$226.02	3.80%	2.5%	$9
2027	$18.84	$226.02	3.80%	2.5%	$9
2028	$18.84	$226.02	3.80%	2.5%	$9
2029	$18.84	$226.02	3.80%	2.5%	$9
2030	$18.84	$226.02	3.80%	2.5%	$9
2031	$18.84	$226.02	3.80%	2.5%	$9
2032	$18.84	$226.02	3.80%	2.5%	$9
2033	$18.84	$226.02	3.80%	2.5%	$9
2034	$18.84	$226.02	3.80%	2.5%	$9
2035	$18.84	$226.02	3.80%	2.5%	$9
2036	$18.84	$226.02	3.80%	2.5%	$9
2037	$18.84	$226.02	3.80%	2.5%	$9
2038	$18.84	$226.02	3.80%	2.5%	$9
2039	$18.84	$226.02	3.80%	2.5%	$9
2040	$18.84	$226.02	3.80%	2.5%	$9
2041	$18.84	$226.02	3.80%	2.5%	$9
2042	$18.84	$226.02	3.80%	2.5%	$9
2043	$18.84	$226.02	3.80%	2.5%	$9
2044	$18.84	$226.02	3.80%	2.5%	$9

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	$578	$700	$0	$1,278	$629	($1,288)	$1,414	$18	$137	$129	$9	$1,048
2026	$600	$0	$0	$600	$0	$0	$0	$19	$142	$134	$9	$304
2027	$624	$0	$0	$624	$0	$0	$0	$20	$147	$139	$9	$315
2028	$648	$0	$0	$648	$0	$0	$0	$21	$153	$144	$9	$327
2029	$673	$0	$0	$673	$0	$0	$0	$22	$159	$149	$9	$339
2030	$699	$0	$0	$699	$0	$0	$0	$23	$165	$155	$9	$351
2031	$726	$0	$0	$726	$0	$0	$0	$24	$171	$161	$9	$364
2032	$755	$0	$0	$755	$0	$0	$0	$25	$177	$167	$9	$378
2033	$784	$0	$0	$784	$0	$0	$0	$26	$184	$173	$9	$392
2034	$814	$0	$0	$814	$0	$0	$0	$27	$191	$180	$9	$406
2035	$846	$0	$0	$846	$0	$0	$0	$28	$198	$186	$9	$421
2036	$879	$0	$0	$879	$0	$0	$0	$30	$205	$193	$9	$437
2037	$913	$0	$0	$913	$0	$0	$0	$31	$213	$201	$9	$453
2038	$948	$0	$0	$948	$0	$0	$0	$32	$221	$208	$9	$470
2039	$985	$0	$0	$985	$0	$0	$0	$34	$229	$216	$9	$487
2040	$1,023	$0	$0	$1,023	$1,200	-$2,457	$2,697	$35	$238	$224	$9	$1,946
2041	$1,063	$0	$0	$1,063	$0	$0	$0	$37	$246	$232	$9	$524
2042	$1,104	$0	$0	$1,104	$0	$0	$0	$39	$256	$241	$9	$544
2043	$1,147	$0	$0	$1,147	$0	$0	$0	$40	$265	$250	$9	$564
2044	$1,191	$0	$0	$1,191	$0	$0	$0	$42	$275	$259	$9	$585

Present Value of Benefits $11,701

Present Value of Costs $6,995

Benefit/Cost Ratio 1.67

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	183	$0.6881	$126
2026	183	$0.7138	$131
2027	183	$0.7405	$136
2028	183	$0.7682	$141
2029	183	$0.7969	$146
2030	183	$0.8268	$151
2031	183	$0.8577	$157
2032	183	$0.8898	$163
2033	183	$0.9230	$169
2034	183	$0.9575	$175
2035	183	$0.9934	$182
2036	183	$1.0305	$189
2037	183	$1.0691	$196
2038	183	$1.1090	$203
2039	183	$1.1505	$211
2040	183	$1.1935	$218
2041	183	$1.2382	$227
2042	183	$1.2845	$235
2043	183	$1.3325	$244
2044	183	$1.3824	$253

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	183	$0.7300	$134
2026	183	$0.7573	$139
2027	183	$0.7856	$144
2028	183	$0.8150	$149
2029	183	$0.8455	$155
2030	183	$0.8771	$161
2031	183	$0.9099	$167
2032	183	$0.9439	$173
2033	183	$0.9792	$179
2034	183	$1.0159	$186
2035	183	$1.0539	$193
2036	183	$1.0933	$200
2037	183	$1.1342	$208
2038	183	$1.1766	$215
2039	183	$1.2206	$223
2040	183	$1.2662	$232
2041	183	$1.3136	$240
2042	183	$1.3627	$249
2043	183	$1.4137	$259
2044	183	$1.4666	$268

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	3.80%	$9
2026	$18.84	$226.02	3.80%	$9
2027	$18.84	$226.02	3.80%	$9
2028	$18.84	$226.02	3.80%	$9
2029	$18.84	$226.02	3.80%	$9
2030	$18.84	$226.02	3.80%	$9
2031	$18.84	$226.02	3.80%	$9
2032	$18.84	$226.02	3.80%	$9
2033	$18.84	$226.02	3.80%	$9
2034	$18.84	$226.02	3.80%	$9
2035	$18.84	$226.02	3.80%	$9
2036	$18.84	$226.02	3.80%	$9
2037	$18.84	$226.02	3.80%	$9
2038	$18.84	$226.02	3.80%	$9
2039	$18.84	$226.02	3.80%	$9
2040	$18.84	$226.02	3.80%	$9
2041	$18.84	$226.02	3.80%	$9
2042	$18.84	$226.02	3.80%	$9
2043	$18.84	$226.02	3.80%	$9
2044	$18.84	$226.02	3.80%	$9

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	183	$0.7300	$134
2026	183	$0.7573	$139
2027	183	$0.7856	$144
2028	183	$0.8150	$149
2029	183	$0.8455	$155
2030	183	$0.8771	$161
2031	183	$0.9099	$167
2032	183	$0.9439	$173
2033	183	$0.9792	$179
2034	183	$1.0159	$186
2035	183	$1.0539	$193
2036	183	$1.0933	$200
2037	183	$1.1342	$208
2038	183	$1.1766	$215
2039	183	$1.2206	$223
2040	183	$1.2662	$232
2041	183	$1.3136	$240
2042	183	$1.3627	$249
2043	183	$1.4137	$259
2044	183	$1.4666	$268

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%	3.80%	$12
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.80%	$12
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.80%	$11
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.80%	$11
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.80%	$11
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.80%	$11
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.80%	$10
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.80%	$10
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.80%	$10
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.80%	$9
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.80%	$9
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.80%	$9
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.80%	$9
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.80%	$9
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.80%	$8
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.80%	$8
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.80%	$8
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.80%	$8
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.80%	$8
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.80%	$7

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	3.80%	$0.49	$18.45	$1	$1
2026	$1.16	$14	3.80%	$0.53	$19.27	$1	$1
2027	$1.21	$15	3.80%	$0.57	$20.12	$1	$1
2028	$1.26	$15	3.80%	$0.57	$21.01	$1	$1
2029	$1.32	$16	3.80%	$0.61	$21.94	$1	$1
2030	$1.38	$17	3.80%	$0.65	$22.92	$1	$2
2031	$1.44	$17	3.80%	$0.65	$23.93	$1	$2
2032	$1.50	$18	3.80%	$0.68	$24.99	$1	$2
2033	$1.57	$19	3.80%	$0.72	$26.10	$1	$2
2034	$1.64	$20	3.80%	$0.76	$27.25	$1	$2
2035	$1.71	$21	3.80%	$0.80	$28.46	$1	$2
2036	$1.79	$21	3.80%	$0.80	$29.72	$1	$2
2037	$1.87	$22	3.80%	$0.84	$31.04	$1	$2
2038	$1.95	$23	3.80%	$0.87	$32.41	$1	$2
2039	$2.04	$24	3.80%	$0.91	$33.85	$1	$2
2040	$2.13	$26	3.80%	$0.99	$35.35	$1	$2
2041	$2.22	$27	3.80%	$1.03	$36.91	$1	$2
2042	$2.32	$28	3.80%	$1.06	$38.55	$1	$3
2043	$2.42	$29	3.80%	$1.10	$40.26	$2	$3
2044	$2.53	$30	3.80%	$1.14	$42.04	$2	$3

RIM 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)

	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	$126	$134	$9	$268	$134	$12	$1	$700.26	$847
2026	$131	$139	$9	$278	$139	$12	$1	$0.26	$152
2027	$136	$144	$9	$288	$144	$11	$1	$0.26	$157
2028	$141	$149	$9	$298	$149	$11	$1	$0.26	$162
2029	$146	$155	$9	$309	$155	$11	$1	$0.26	$167
2030	$151	$161	$9	$320	$161	$11	$2	$0.26	$173
2031	$157	$167	$9	$332	$167	$10	$2	$0.26	$179
2032	$163	$173	$9	$344	$173	$10	$2	$0.26	$185
2033	$169	$179	$9	$357	$179	$10	$2	$0.26	$191
2034	$175	$186	$9	$370	$186	$9	$2	$0.26	$197
2035	$182	$193	$9	$383	$193	$9	$2	$0.26	$204
2036	$189	$200	$9	$397	$200	$9	$2	$0.26	$211
2037	$196	$208	$9	$412	$208	$9	$2	$0.26	$219
2038	$203	$215	$9	$427	$215	$9	$2	$0.26	$226
2039	$211	$223	$9	$443	$223	$8	$2	$0.26	$234
2040	$218	$232	$9	$459	$232	$8	$2	$700.26	$942
2041	$227	$240	$9	$476	$240	$8	$2	$0.26	$251
2042	$235	$249	$9	$493	$249	$8	$3	$0.26	$260
2043	$244	$259	$9	$511	$259	$8	$3	$0.26	$269
2044	$253	$268	$9	$530	$268	$7	$3	$0.26	$279

Present Value of Benefits **$4,994**

Present Value of Costs **$3,738**

Benefit/Cost Ratio **1.34**

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:	0.91 tonnes CO2/year	
Allowance:	$400	
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	$400
II.	**Operating Data**	
	Therms Consumed	[redacted]
	Total Building Therms	4,814
	O&M (excluding energy)	[redacted] $0
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	3.8%
	EC Program Adm. Cost	$0.05
IV.	**New Customer Installation Costs**	
	Supply Main	$0
	Development Main	$0
	Service	$0
	Meter	$0
	Total	$0
V.	**New Customer Admin. Cost $/month**	$0.00

Elec:	Water Heating - Tank (1)	
CO2:	2.54 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	3,546
	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	3,546	$0.00	0.00	2.6%	$578
2026	$0.1651	3,546	$0.00	0.00	2.6%	$600
2027	$0.1715	3,546	$0.00	0.00	2.6%	$624
2028	$0.1781	3,546	$0.00	0.00	2.6%	$648
2029	$0.1850	3,546	$0.00	0.00	2.6%	$673
2030	$0.1922	3,546	$0.00	0.00	2.6%	$699
2031	$0.1997	3,546	$0.00	0.00	2.6%	$726
2032	$0.2074	3,546	$0.00	0.00	2.6%	$755
2033	$0.2155	3,546	$0.00	0.00	2.6%	$784
2034	$0.2238	3,546	$0.00	0.00	2.6%	$814
2035	$0.2325	3,546	$0.00	0.00	2.6%	$846
2036	$0.2415	3,546	$0.00	0.00	2.6%	$879
2037	$0.2509	3,546	$0.00	0.00	2.6%	$913
2038	$0.2607	3,546	$0.00	0.00	2.6%	$948
2039	$0.2708	3,546	$0.00	0.00	2.6%	$985
2040	$0.2813	3,546	$0.00	0.00	2.6%	$1,023
2041	$0.2922	3,546	$0.00	0.00	2.6%	$1,063
2042	$0.3035	3,546	$0.00	0.00	2.6%	$1,104
2043	$0.3153	3,546	$0.00	0.00	2.6%	$1,147
2044	$0.3275	3,546	$0.00	0.00	2.6%	$1,191

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	183	2.5%	$137
2026	$0.7573	183	2.5%	$142
2027	$0.7856	183	2.5%	$147
2028	$0.8150	183	2.5%	$153
2029	$0.8455	183	2.5%	$159
2030	$0.8771	183	2.5%	$165
2031	$0.9099	183	2.5%	$171
2032	$0.9439	183	2.5%	$177
2033	$0.9792	183	2.5%	$184
2034	$1.0159	183	2.5%	$191
2035	$1.0539	183	2.5%	$198
2036	$1.0933	183	2.5%	$205
2037	$1.1342	183	2.5%	$213
2038	$1.1766	183	2.5%	$221
2039	$1.2206	183	2.5%	$229
2040	$1.2662	183	2.5%	$238
2041	$1.3136	183	2.5%	$246
2042	$1.3627	183	2.5%	$256
2043	$1.4137	183	2.5%	$265
2044	$1.4666	183	2.5%	$275

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	183	2.5%	$129
2026	$0.7138	183	2.5%	$134
2027	$0.7405	183	2.5%	$139
2028	$0.7682	183	2.5%	$144
2029	$0.7969	183	2.5%	$149
2030	$0.8268	183	2.5%	$155
2031	$0.8577	183	2.5%	$161
2032	$0.8898	183	2.5%	$167
2033	$0.9230	183	2.5%	$173
2034	$0.9575	183	2.5%	$180
2035	$0.9934	183	2.5%	$186
2036	$1.0305	183	2.5%	$193
2037	$1.0691	183	2.5%	$201
2038	$1.1090	183	2.5%	$208
2039	$1.1505	183	2.5%	$216
2040	$1.1935	183	2.5%	$224
2041	$1.2382	183	2.5%	$232
2042	$1.2845	183	2.5%	$241
2043	$1.3325	183	2.5%	$250
2044	$1.3824	183	2.5%	$259

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	3.80%	2.5%	$9
2026	$18.84	$226.02	3.80%	2.5%	$9
2027	$18.84	$226.02	3.80%	2.5%	$9
2028	$18.84	$226.02	3.80%	2.5%	$9
2029	$18.84	$226.02	3.80%	2.5%	$9
2030	$18.84	$226.02	3.80%	2.5%	$9
2031	$18.84	$226.02	3.80%	2.5%	$9
2032	$18.84	$226.02	3.80%	2.5%	$9
2033	$18.84	$226.02	3.80%	2.5%	$9
2034	$18.84	$226.02	3.80%	2.5%	$9
2035	$18.84	$226.02	3.80%	2.5%	$9
2036	$18.84	$226.02	3.80%	2.5%	$9
2037	$18.84	$226.02	3.80%	2.5%	$9
2038	$18.84	$226.02	3.80%	2.5%	$9
2039	$18.84	$226.02	3.80%	2.5%	$9
2040	$18.84	$226.02	3.80%	2.5%	$9
2041	$18.84	$226.02	3.80%	2.5%	$9
2042	$18.84	$226.02	3.80%	2.5%	$9
2043	$18.84	$226.02	3.80%	2.5%	$9
2044	$18.84	$226.02	3.80%	2.5%	$9

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	$578	$400	$0	$978	$629	($1,288)	$1,414	$0	$137	$129	$9	$1,030
2026	$600	$0	$0	$600	$0	$0	$0	$0	$142	$134	$9	$285
2027	$624	$0	$0	$624	$0	$0	$0	$0	$147	$139	$9	$295
2028	$648	$0	$0	$648	$0	$0	$0	$0	$153	$144	$9	$306
2029	$673	$0	$0	$673	$0	$0	$0	$0	$159	$149	$9	$317
2030	$699	$0	$0	$699	$0	$0	$0	$0	$165	$155	$9	$328
2031	$726	$0	$0	$726	$0	$0	$0	$0	$171	$161	$9	$340
2032	$755	$0	$0	$755	$0	$0	$0	$0	$177	$167	$9	$353
2033	$784	$0	$0	$784	$0	$0	$0	$0	$184	$173	$9	$366
2034	$814	$0	$0	$814	$0	$0	$0	$0	$191	$180	$9	$379
2035	$846	$0	$0	$846	$0	$0	$0	$0	$198	$186	$9	$393
2036	$879	$0	$0	$879	$0	$0	$0	$0	$205	$193	$9	$407
2037	$913	$0	$0	$913	$0	$0	$0	$0	$213	$201	$9	$422
2038	$948	$0	$0	$948	$0	$0	$0	$0	$221	$208	$9	$438
2039	$985	$0	$0	$985	$0	$0	$0	$0	$229	$216	$9	$454
2040	$1,023	$0	$0	$1,023	$1,200	-$2,457	$2,697	$0	$238	$224	$9	$1,911
2041	$1,063	$0	$0	$1,063	$0	$0	$0	$0	$246	$232	$9	$487
2042	$1,104	$0	$0	$1,104	$0	$0	$0	$0	$256	$241	$9	$505
2043	$1,147	$0	$0	$1,147	$0	$0	$0	$0	$265	$250	$9	$524
2044	$1,191	$0	$0	$1,191	$0	$0	$0	$0	$275	$259	$9	$543

Present Value of Benefits $11,401

Present Value of Costs $6,626

Benefit/Cost Ratio 1.72

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	183	$0.6881	$126
2026	183	$0.7138	$131
2027	183	$0.7405	$136
2028	183	$0.7682	$141
2029	183	$0.7969	$146
2030	183	$0.8268	$151
2031	183	$0.8577	$157
2032	183	$0.8898	$163
2033	183	$0.9230	$169
2034	183	$0.9575	$175
2035	183	$0.9934	$182
2036	183	$1.0305	$189
2037	183	$1.0691	$196
2038	183	$1.1090	$203
2039	183	$1.1505	$211
2040	183	$1.1935	$218
2041	183	$1.2382	$227
2042	183	$1.2845	$235
2043	183	$1.3325	$244
2044	183	$1.3824	$253

Table 1a

Revenue - Cost of Gas			
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	183	$0.7300	$134
2026	183	$0.7573	$139
2027	183	$0.7856	$144
2028	183	$0.8150	$149
2029	183	$0.8455	$155
2030	183	$0.8771	$161
2031	183	$0.9099	$167
2032	183	$0.9439	$173
2033	183	$0.9792	$179
2034	183	$1.0159	$186
2035	183	$1.0539	$193
2036	183	$1.0933	$200
2037	183	$1.1342	$208
2038	183	$1.1766	$215
2039	183	$1.2206	$223
2040	183	$1.2662	$232
2041	183	$1.3136	$240
2042	183	$1.3627	$249
2043	183	$1.4137	$259
2044	183	$1.4666	$268

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	3.80%	$9
2026	$18.84	$226.02	3.80%	$9
2027	$18.84	$226.02	3.80%	$9
2028	$18.84	$226.02	3.80%	$9
2029	$18.84	$226.02	3.80%	$9
2030	$18.84	$226.02	3.80%	$9
2031	$18.84	$226.02	3.80%	$9
2032	$18.84	$226.02	3.80%	$9
2033	$18.84	$226.02	3.80%	$9
2034	$18.84	$226.02	3.80%	$9
2035	$18.84	$226.02	3.80%	$9
2036	$18.84	$226.02	3.80%	$9
2037	$18.84	$226.02	3.80%	$9
2038	$18.84	$226.02	3.80%	$9
2039	$18.84	$226.02	3.80%	$9
2040	$18.84	$226.02	3.80%	$9
2041	$18.84	$226.02	3.80%	$9
2042	$18.84	$226.02	3.80%	$9
2043	$18.84	$226.02	3.80%	$9
2044	$18.84	$226.02	3.80%	$9

Table 3

Gas Costs			
1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	183	$0.7300	$134
2026	183	$0.7573	$139
2027	183	$0.7856	$144
2028	183	$0.8150	$149
2029	183	$0.8455	$155
2030	183	$0.8771	$161
2031	183	$0.9099	$167
2032	183	$0.9439	$173
2033	183	$0.9792	$179
2034	183	$1.0159	$186
2035	183	$1.0539	$193
2036	183	$1.0933	$200
2037	183	$1.1342	$208
2038	183	$1.1766	$215
2039	183	$1.2206	$223
2040	183	$1.2662	$232
2041	183	$1.3136	$240
2042	183	$1.3627	$249
2043	183	$1.4137	$259
2044	183	$1.4666	$268

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	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2026	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2027	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2028	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2029	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2030	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2031	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2032	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2033	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2034	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2035	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2036	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2037	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2038	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2039	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2040	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2041	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2042	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2043	$0	$0	$0	$0	$0	6.87%	3.80%	$0
2044	$0	$0	$0	$0	$0	6.87%	3.80%	$0

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	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2026	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2027	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2028	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2029	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2030	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2031	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2032	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2033	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2034	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2035	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2036	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2037	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2038	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2039	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2040	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2041	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2042	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2043	$0.00	$0	3.80%	$0.00	$0.00	$0	$0
2044	$0.00	$0	3.80%	$0.00	$0.00	$0	$0

RIM 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)

	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	$126	$134	$9	$268	$134	$0	$0	$400.05	$534
2026	$131	$139	$9	$278	$139	$0	$0	$0.05	$139
2027	$136	$144	$9	$288	$144	$0	$0	$0.05	$144
2028	$141	$149	$9	$298	$149	$0	$0	$0.05	$149
2029	$146	$155	$9	$309	$155	$0	$0	$0.05	$155
2030	$151	$161	$9	$320	$161	$0	$0	$0.05	$161
2031	$157	$167	$9	$332	$167	$0	$0	$0.05	$167
2032	$163	$173	$9	$344	$173	$0	$0	$0.05	$173
2033	$169	$179	$9	$357	$179	$0	$0	$0.05	$179
2034	$175	$186	$9	$370	$186	$0	$0	$0.05	$186
2035	$182	$193	$9	$383	$193	$0	$0	$0.05	$193
2036	$189	$200	$9	$397	$200	$0	$0	$0.05	$200
2037	$196	$208	$9	$412	$208	$0	$0	$0.05	$208
2038	$203	$215	$9	$427	$215	$0	$0	$0.05	$215
2039	$211	$223	$9	$443	$223	$0	$0	$0.05	$223
2040	$218	$232	$9	$459	$232	$0	$0	$400.05	$632
2041	$227	$240	$9	$476	$240	$0	$0	$0.05	$240
2042	$235	$249	$9	$493	$249	$0	$0	$0.05	$249
2043	$244	$259	$9	$511	$259	$0	$0	$0.05	$259
2044	$253	$268	$9	$530	$268	$0	$0	$0.05	$268

Present Value of Benefits **$4,994**

Present Value of Costs **$3,120**

Benefit/Cost Ratio **1.60**

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:	0.91 tonnes CO2/year	
Allowance:	$600	
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	$600
II.	**Operating Data**	
	Therms Consumed	183
	Total Building Therms	4,814
	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	3.8%
	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:	2.54 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	3,546
	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	3,546	$0.00	0.00	2.6%	$578
2026	$0.1651	3,546	$0.00	0.00	2.6%	$600
2027	$0.1715	3,546	$0.00	0.00	2.6%	$624
2028	$0.1781	3,546	$0.00	0.00	2.6%	$648
2029	$0.1850	3,546	$0.00	0.00	2.6%	$673
2030	$0.1922	3,546	$0.00	0.00	2.6%	$699
2031	$0.1997	3,546	$0.00	0.00	2.6%	$726
2032	$0.2074	3,546	$0.00	0.00	2.6%	$755
2033	$0.2155	3,546	$0.00	0.00	2.6%	$784
2034	$0.2238	3,546	$0.00	0.00	2.6%	$814
2035	$0.2325	3,546	$0.00	0.00	2.6%	$846
2036	$0.2415	3,546	$0.00	0.00	2.6%	$879
2037	$0.2509	3,546	$0.00	0.00	2.6%	$913
2038	$0.2607	3,546	$0.00	0.00	2.6%	$948
2039	$0.2708	3,546	$0.00	0.00	2.6%	$985
2040	$0.2813	3,546	$0.00	0.00	2.6%	$1,023
2041	$0.2922	3,546	$0.00	0.00	2.6%	$1,063
2042	$0.3035	3,546	$0.00	0.00	2.6%	$1,104
2043	$0.3153	3,546	$0.00	0.00	2.6%	$1,147
2044	$0.3275	3,546	$0.00	0.00	2.6%	$1,191

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	183	2.5%	$137
2026	$0.7573	183	2.5%	$142
2027	$0.7856	183	2.5%	$147
2028	$0.8150	183	2.5%	$153
2029	$0.8455	183	2.5%	$159
2030	$0.8771	183	2.5%	$165
2031	$0.9099	183	2.5%	$171
2032	$0.9439	183	2.5%	$177
2033	$0.9792	183	2.5%	$184
2034	$1.0159	183	2.5%	$191
2035	$1.0539	183	2.5%	$198
2036	$1.0933	183	2.5%	$205
2037	$1.1342	183	2.5%	$213
2038	$1.1766	183	2.5%	$221
2039	$1.2206	183	2.5%	$229
2040	$1.2662	183	2.5%	$238
2041	$1.3136	183	2.5%	$246
2042	$1.3627	183	2.5%	$256
2043	$1.4137	183	2.5%	$265
2044	$1.4666	183	2.5%	$275

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	183	2.5%	$129
2026	$0.7138	183	2.5%	$134
2027	$0.7405	183	2.5%	$139
2028	$0.7682	183	2.5%	$144
2029	$0.7969	183	2.5%	$149
2030	$0.8268	183	2.5%	$155
2031	$0.8577	183	2.5%	$161
2032	$0.8898	183	2.5%	$167
2033	$0.9230	183	2.5%	$173
2034	$0.9575	183	2.5%	$180
2035	$0.9934	183	2.5%	$186
2036	$1.0305	183	2.5%	$193
2037	$1.0691	183	2.5%	$201
2038	$1.1090	183	2.5%	$208
2039	$1.1505	183	2.5%	$216
2040	$1.1935	183	2.5%	$224
2041	$1.2382	183	2.5%	$232
2042	$1.2845	183	2.5%	$241
2043	$1.3325	183	2.5%	$250
2044	$1.3824	183	2.5%	$259

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	3.80%	2.5%	$9
2026	$18.84	$226.02	3.80%	2.5%	$9
2027	$18.84	$226.02	3.80%	2.5%	$9
2028	$18.84	$226.02	3.80%	2.5%	$9
2029	$18.84	$226.02	3.80%	2.5%	$9
2030	$18.84	$226.02	3.80%	2.5%	$9
2031	$18.84	$226.02	3.80%	2.5%	$9
2032	$18.84	$226.02	3.80%	2.5%	$9
2033	$18.84	$226.02	3.80%	2.5%	$9
2034	$18.84	$226.02	3.80%	2.5%	$9
2035	$18.84	$226.02	3.80%	2.5%	$9
2036	$18.84	$226.02	3.80%	2.5%	$9
2037	$18.84	$226.02	3.80%	2.5%	$9
2038	$18.84	$226.02	3.80%	2.5%	$9
2039	$18.84	$226.02	3.80%	2.5%	$9
2040	$18.84	$226.02	3.80%	2.5%	$9
2041	$18.84	$226.02	3.80%	2.5%	$9
2042	$18.84	$226.02	3.80%	2.5%	$9
2043	$18.84	$226.02	3.80%	2.5%	$9
2044	$18.84	$226.02	3.80%	2.5%	$9

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	$578	$600	$0	$1,178	$629	($1,288)	$1,414	$18	$137	$129	$9	$1,048
2026	$600	$0	$0	$600	$0	$0	$0	$19	$142	$134	$9	$304
2027	$624	$0	$0	$624	$0	$0	$0	$20	$147	$139	$9	$315
2028	$648	$0	$0	$648	$0	$0	$0	$21	$153	$144	$9	$327
2029	$673	$0	$0	$673	$0	$0	$0	$22	$159	$149	$9	$339
2030	$699	$0	$0	$699	$0	$0	$0	$23	$165	$155	$9	$351
2031	$726	$0	$0	$726	$0	$0	$0	$24	$171	$161	$9	$364
2032	$755	$0	$0	$755	$0	$0	$0	$25	$177	$167	$9	$378
2033	$784	$0	$0	$784	$0	$0	$0	$26	$184	$173	$9	$392
2034	$814	$0	$0	$814	$0	$0	$0	$27	$191	$180	$9	$406
2035	$846	$0	$0	$846	$0	$0	$0	$28	$198	$186	$9	$421
2036	$879	$0	$0	$879	$0	$0	$0	$30	$205	$193	$9	$437
2037	$913	$0	$0	$913	$0	$0	$0	$31	$213	$201	$9	$453
2038	$948	$0	$0	$948	$0	$0	$0	$32	$221	$208	$9	$470
2039	$985	$0	$0	$985	$0	$0	$0	$34	$229	$216	$9	$487
2040	$1,023	$0	$0	$1,023	$1,200	-$2,457	$2,697	$35	$238	$224	$9	$1,946
2041	$1,063	$0	$0	$1,063	$0	$0	$0	$37	$246	$232	$9	$524
2042	$1,104	$0	$0	$1,104	$0	$0	$0	$39	$256	$241	$9	$544
2043	$1,147	$0	$0	$1,147	$0	$0	$0	$40	$265	$250	$9	$564
2044	$1,191	$0	$0	$1,191	$0	$0	$0	$42	$275	$259	$9	$585

Present Value of Benefits $11,601

Present Value of Costs $6,995

Benefit/Cost Ratio 1.66

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	183	$0.6881	$126
2026	183	$0.7138	$131
2027	183	$0.7405	$136
2028	183	$0.7682	$141
2029	183	$0.7969	$146
2030	183	$0.8268	$151
2031	183	$0.8577	$157
2032	183	$0.8898	$163
2033	183	$0.9230	$169
2034	183	$0.9575	$175
2035	183	$0.9934	$182
2036	183	$1.0305	$189
2037	183	$1.0691	$196
2038	183	$1.1090	$203
2039	183	$1.1505	$211
2040	183	$1.1935	$218
2041	183	$1.2382	$227
2042	183	$1.2845	$235
2043	183	$1.3325	$244
2044	183	$1.3824	$253

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	183	$0.7300	$134
2026	183	$0.7573	$139
2027	183	$0.7856	$144
2028	183	$0.8150	$149
2029	183	$0.8455	$155
2030	183	$0.8771	$161
2031	183	$0.9099	$167
2032	183	$0.9439	$173
2033	183	$0.9792	$179
2034	183	$1.0159	$186
2035	183	$1.0539	$193
2036	183	$1.0933	$200
2037	183	$1.1342	$208
2038	183	$1.1766	$215
2039	183	$1.2206	$223
2040	183	$1.2662	$232
2041	183	$1.3136	$240
2042	183	$1.3627	$249
2043	183	$1.4137	$259
2044	183	$1.4666	$268

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	3.80%	$9
2026	$18.84	$226.02	3.80%	$9
2027	$18.84	$226.02	3.80%	$9
2028	$18.84	$226.02	3.80%	$9
2029	$18.84	$226.02	3.80%	$9
2030	$18.84	$226.02	3.80%	$9
2031	$18.84	$226.02	3.80%	$9
2032	$18.84	$226.02	3.80%	$9
2033	$18.84	$226.02	3.80%	$9
2034	$18.84	$226.02	3.80%	$9
2035	$18.84	$226.02	3.80%	$9
2036	$18.84	$226.02	3.80%	$9
2037	$18.84	$226.02	3.80%	$9
2038	$18.84	$226.02	3.80%	$9
2039	$18.84	$226.02	3.80%	$9
2040	$18.84	$226.02	3.80%	$9
2041	$18.84	$226.02	3.80%	$9
2042	$18.84	$226.02	3.80%	$9
2043	$18.84	$226.02	3.80%	$9
2044	$18.84	$226.02	3.80%	$9

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	183	$0.7300	$134
2026	183	$0.7573	$139
2027	183	$0.7856	$144
2028	183	$0.8150	$149
2029	183	$0.8455	$155
2030	183	$0.8771	$161
2031	183	$0.9099	$167
2032	183	$0.9439	$173
2033	183	$0.9792	$179
2034	183	$1.0159	$186
2035	183	$1.0539	$193
2036	183	$1.0933	$200
2037	183	$1.1342	$208
2038	183	$1.1766	$215
2039	183	$1.2206	$223
2040	183	$1.2662	$232
2041	183	$1.3136	$240
2042	183	$1.3627	$249
2043	183	$1.4137	$259
2044	183	$1.4666	$268

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%	3.80%	$12
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.80%	$12
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.80%	$11
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.80%	$11
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.80%	$11
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.80%	$11
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.80%	$10
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.80%	$10
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.80%	$10
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.80%	$9
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.80%	$9
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.80%	$9
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.80%	$9
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.80%	$9
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.80%	$8
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.80%	$8
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.80%	$8
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.80%	$8
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.80%	$8
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.80%	$7

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	3.80%	$0.49	$18.45	$1	$1
2026	$1.16	$14	3.80%	$0.53	$19.27	$1	$1
2027	$1.21	$15	3.80%	$0.57	$20.12	$1	$1
2028	$1.26	$15	3.80%	$0.57	$21.01	$1	$1
2029	$1.32	$16	3.80%	$0.61	$21.94	$1	$1
2030	$1.38	$17	3.80%	$0.65	$22.92	$1	$2
2031	$1.44	$17	3.80%	$0.65	$23.93	$1	$2
2032	$1.50	$18	3.80%	$0.68	$24.99	$1	$2
2033	$1.57	$19	3.80%	$0.72	$26.10	$1	$2
2034	$1.64	$20	3.80%	$0.76	$27.25	$1	$2
2035	$1.71	$21	3.80%	$0.80	$28.46	$1	$2
2036	$1.79	$21	3.80%	$0.80	$29.72	$1	$2
2037	$1.87	$22	3.80%	$0.84	$31.04	$1	$2
2038	$1.95	$23	3.80%	$0.87	$32.41	$1	$2
2039	$2.04	$24	3.80%	$0.91	$33.85	$1	$2
2040	$2.13	$26	3.80%	$0.99	$35.35	$1	$2
2041	$2.22	$27	3.80%	$1.03	$36.91	$1	$2
2042	$2.32	$28	3.80%	$1.06	$38.55	$1	$3
2043	$2.42	$29	3.80%	$1.10	$40.26	$2	$3
2044	$2.53	$30	3.80%	$1.14	$42.04	$2	$3

RIM Test - Results

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	$126	$134	$9	$268	$134	$12	$1	$600.03	$747
2026	$131	$139	$9	$278	$139	$12	$1	$0.03	$152
2027	$136	$144	$9	$288	$144	$11	$1	$0.03	$156
2028	$141	$149	$9	$298	$149	$11	$1	$0.03	$162
2029	$146	$155	$9	$309	$155	$11	$1	$0.03	$167
2030	$151	$161	$9	$320	$161	$11	$2	$0.03	$173
2031	$157	$167	$9	$332	$167	$10	$2	$0.03	$178
2032	$163	$173	$9	$344	$173	$10	$2	$0.03	$184
2033	$169	$179	$9	$357	$179	$10	$2	$0.03	$191
2034	$175	$186	$9	$370	$186	$9	$2	$0.03	$197
2035	$182	$193	$9	$383	$193	$9	$2	$0.03	$204
2036	$189	$200	$9	$397	$200	$9	$2	$0.03	$211
2037	$196	$208	$9	$412	$208	$9	$2	$0.03	$218
2038	$203	$215	$9	$427	$215	$9	$2	$0.03	$226
2039	$211	$223	$9	$443	$223	$8	$2	$0.03	$234
2040	$218	$232	$9	$459	$232	$8	$2	$600.03	$842
2041	$227	$240	$9	$476	$240	$8	$2	$0.03	$251
2042	$235	$249	$9	$493	$249	$8	$3	$0.03	$260
2043	$244	$259	$9	$511	$259	$8	$3	$0.03	$269
2044	$253	$268	$9	$530	$268	$7	$3	$0.03	$278

Present Value of Benefits **$4,994**

Present Value of Costs **$3,582**

Benefit/Cost Ratio **1.39**

Florida Public Utilities Company

Tankless Water Heater Analysis - Revision Summary

HOUSEHOLD SIZE	ENERGY FACTOR	ANNUAL GAS USE
3 persons	**0.92**	**123 therms**

Model Revisions Completed

Revision Area	Completed Revision
Useful Life	Confirmed tankless equipment life exceeds 20 years; no second replacement cycle is required within the analysis period.
Second-Cycle Costs	Removed the second utility rebate and the second participant replacement installation cost previously embedded in the model.
Efficiency & Load	Updated the representative household to three persons and applied a 0.92 Energy Factor, producing normalized annual use of 123 therms.
Escalation Treatment	No escalation to a 2040 replacement year was required because the modeled useful life extends beyond the analysis horizon.

Updated Cost-Effectiveness Results

Application	Rebate	Participant Test	Gas RIM
New Construction	$850	2.435	1.085
Retention	$600	2.381	1.235
Retrofit	$750	2.413	1.140

Key Outcome

The tankless analysis now reflects its longer useful life and removes costs that would not occur within the modeled period. The revised workbook applies the correct three-person load, 0.92 efficiency assumption, 123-therm annual consumption, and retains cost-effective Participant and Gas RIM results for all three rebate applications.

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:	0.61 tonnes CO2/year	
Allowance:	$850	
Gas Utility:	Average	
I.	**Installed Cost Data**	
	Equipment	$629
	Installation	$1,504
	Total Customer Cost	$2,133
	Replacement Installation	$594
	Total Replacement (incl Equip)	$1,223
	Utility Rebate	$850
II.	**Operating Data**	
	Therms Consumed	123
	Total Building Therms	4,792
	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	3.4%
	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 - Tankless (1)	
CO2:	2.44 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	**Electric Cost Data**	
	Equipment	$669
	Installation	$594
	Breaker and Wiring Savings	$35
	Total Customer Cost	$1,298
VII.	**Energy Conserved Data**	
	Monthly Demand kW	0.0
	Annual kWh	3,398
	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	[redacted] 15

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	3,398	$0.00	0.00	2.6%	$554
2026	$0.1651	3,398	$0.00	0.00	2.6%	$575
2027	$0.1715	3,398	$0.00	0.00	2.6%	$598
2028	$0.1781	3,398	$0.00	0.00	2.6%	$621
2029	$0.1850	3,398	$0.00	0.00	2.6%	$645
2030	$0.1922	3,398	$0.00	0.00	2.6%	$670
2031	$0.1997	3,398	$0.00	0.00	2.6%	$696
2032	$0.2074	3,398	$0.00	0.00	2.6%	$723
2033	$0.2155	3,398	$0.00	0.00	2.6%	$751
2034	$0.2238	3,398	$0.00	0.00	2.6%	$780
2035	$0.2325	3,398	$0.00	0.00	2.6%	$811
2036	$0.2415	3,398	$0.00	0.00	2.6%	$842
2037	$0.2509	3,398	$0.00	0.00	2.6%	$875
2038	$0.2607	3,398	$0.00	0.00	2.6%	$909
2039	$0.2708	3,398	$0.00	0.00	2.6%	$944
2040	$0.2813	3,398	$0.00	0.00	2.6%	$981
2041	$0.2922	3,398	$0.00	0.00	2.6%	$1,019
2042	$0.3035	3,398	$0.00	0.00	2.6%	$1,058
2043	$0.3153	3,398	$0.00	0.00	2.6%	$1,099
2044	$0.3275	3,398	$0.00	0.00	2.6%	$1,142

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	123	2.5%	$92
2026	$0.7573	123	2.5%	$96
2027	$0.7856	123	2.5%	$99
2028	$0.8150	123	2.5%	$103
2029	$0.8455	123	2.5%	$107
2030	$0.8771	123	2.5%	$111
2031	$0.9099	123	2.5%	$115
2032	$0.9439	123	2.5%	$119
2033	$0.9792	123	2.5%	$124
2034	$1.0159	123	2.5%	$128
2035	$1.0539	123	2.5%	$133
2036	$1.0933	123	2.5%	$138
2037	$1.1342	123	2.5%	$143
2038	$1.1766	123	2.5%	$149
2039	$1.2206	123	2.5%	$154
2040	$1.2662	123	2.5%	$160
2041	$1.3136	123	2.5%	$166
2042	$1.3627	123	2.5%	$172
2043	$1.4137	123	2.5%	$179
2044	$1.4666	123	2.5%	$185

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	123	2.5%	$87
2026	$0.7138	123	2.5%	$90
2027	$0.7405	123	2.5%	$94
2028	$0.7682	123	2.5%	$97
2029	$0.7969	123	2.5%	$101
2030	$0.8268	123	2.5%	$105
2031	$0.8577	123	2.5%	$108
2032	$0.8898	123	2.5%	$112
2033	$0.9230	123	2.5%	$117
2034	$0.9575	123	2.5%	$121
2035	$0.9934	123	2.5%	$126
2036	$1.0305	123	2.5%	$130
2037	$1.0691	123	2.5%	$135
2038	$1.1090	123	2.5%	$140
2039	$1.1505	123	2.5%	$145
2040	$1.1935	123	2.5%	$151
2041	$1.2382	123	2.5%	$157
2042	$1.2845	123	2.5%	$162
2043	$1.3325	123	2.5%	$168
2044	$1.3824	123	2.5%	$175

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	3.36%	2.5%	$8
2026	$18.84	$226.02	3.36%	2.5%	$8
2027	$18.84	$226.02	3.36%	2.5%	$8
2028	$18.84	$226.02	3.36%	2.5%	$8
2029	$18.84	$226.02	3.36%	2.5%	$8
2030	$18.84	$226.02	3.36%	2.5%	$8
2031	$18.84	$226.02	3.36%	2.5%	$8
2032	$18.84	$226.02	3.36%	2.5%	$8
2033	$18.84	$226.02	3.36%	2.5%	$8
2034	$18.84	$226.02	3.36%	2.5%	$8
2035	$18.84	$226.02	3.36%	2.5%	$8
2036	$18.84	$226.02	3.36%	2.5%	$8
2037	$18.84	$226.02	3.36%	2.5%	$8
2038	$18.84	$226.02	3.36%	2.5%	$8
2039	$18.84	$226.02	3.36%	2.5%	$8
2040	$18.84	$226.02	3.36%	2.5%	$8
2041	$18.84	$226.02	3.36%	2.5%	$8
2042	$18.84	$226.02	3.36%	2.5%	$8
2043	$18.84	$226.02	3.36%	2.5%	$8
2044	$18.84	$226.02	3.36%	2.5%	$8

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	$554	$850	$0	$1,404	$629	($1,298)	$1,504	$18	$92	$87	$8	$1,040
2026	$575	$0	$0	$575	$0	$0	$0	$19	$96	$90	$8	$213
2027	$598	$0	$0	$598	$0	$0	$0	$20	$99	$94	$8	$221
2028	$621	$0	$0	$621	$0	$0	$0	$21	$103	$97	$8	$229
2029	$645	$0	$0	$645	$0	$0	$0	$22	$107	$101	$8	$237
2030	$670	$0	$0	$670	$0	$0	$0	$23	$111	$105	$8	$246
2031	$696	$0	$0	$696	$0	$0	$0	$24	$115	$108	$8	$255
2032	$723	$0	$0	$723	$0	$0	$0	$25	$119	$112	$8	$265
2033	$751	$0	$0	$751	$0	$0	$0	$26	$124	$117	$8	$274
2034	$780	$0	$0	$780	$0	$0	$0	$27	$128	$121	$8	$285
2035	$811	$0	$0	$811	$0	$0	$0	$28	$133	$126	$8	$295
2036	$842	$0	$0	$842	$0	$0	$0	$30	$138	$130	$8	$306
2037	$875	$0	$0	$875	$0	$0	$0	$31	$143	$135	$8	$317
2038	$909	$0	$0	$909	$0	$0	$0	$32	$149	$140	$8	$329
2039	$944	$0	$0	$944	$0	$0	$0	$34	$154	$145	$8	$341
2040	$981	$0	$0	$981	$0	$0	$0	$35	$160	$151	$8	$354
2041	$1,019	$0	$0	$1,019	$0	$0	$0	$37	$166	$157	$8	$367
2042	$1,058	$0	$0	$1,058	$0	$0	$0	$39	$172	$162	$8	$381
2043	$1,099	$0	$0	$1,099	$0	$0	$0	$40	$179	$168	$8	$395
2044	$1,142	$0	$0	$1,142	$0	$0	$0	$42	$185	$175	$8	$410

Present Value of Benefits $11,392

Present Value of Costs $4,679

Benefit/Cost Ratio 2.43

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tankless (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	123	$0.6881	$85
2026	123	$0.7138	$88
2027	123	$0.7405	$91
2028	123	$0.7682	$95
2029	123	$0.7969	$98
2030	123	$0.8268	$102
2031	123	$0.8577	$106
2032	123	$0.8898	$110
2033	123	$0.9230	$114
2034	123	$0.9575	$118
2035	123	$0.9934	$123
2036	123	$1.0305	$127
2037	123	$1.0691	$132
2038	123	$1.1090	$137
2039	123	$1.1505	$142
2040	123	$1.1935	$147
2041	123	$1.2382	$153
2042	123	$1.2845	$158
2043	123	$1.3325	$164
2044	123	$1.3824	$170

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	123	$0.7300	$90
2026	123	$0.7573	$93
2027	123	$0.7856	$97
2028	123	$0.8150	$101
2029	123	$0.8455	$104
2030	123	$0.8771	$108
2031	123	$0.9099	$112
2032	123	$0.9439	$116
2033	123	$0.9792	$121
2034	123	$1.0159	$125
2035	123	$1.0539	$130
2036	123	$1.0933	$135
2037	123	$1.1342	$140
2038	123	$1.1766	$145
2039	123	$1.2206	$151
2040	123	$1.2662	$156
2041	123	$1.3136	$162
2042	123	$1.3627	$168
2043	123	$1.4137	$174
2044	123	$1.4666	$181

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	3.36%	$8
2026	$18.84	$226.02	3.36%	$8
2027	$18.84	$226.02	3.36%	$8
2028	$18.84	$226.02	3.36%	$8
2029	$18.84	$226.02	3.36%	$8
2030	$18.84	$226.02	3.36%	$8
2031	$18.84	$226.02	3.36%	$8
2032	$18.84	$226.02	3.36%	$8
2033	$18.84	$226.02	3.36%	$8
2034	$18.84	$226.02	3.36%	$8
2035	$18.84	$226.02	3.36%	$8
2036	$18.84	$226.02	3.36%	$8
2037	$18.84	$226.02	3.36%	$8
2038	$18.84	$226.02	3.36%	$8
2039	$18.84	$226.02	3.36%	$8
2040	$18.84	$226.02	3.36%	$8
2041	$18.84	$226.02	3.36%	$8
2042	$18.84	$226.02	3.36%	$8
2043	$18.84	$226.02	3.36%	$8
2044	$18.84	$226.02	3.36%	$8

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	123	$0.7300	$90
2026	123	$0.7573	$93
2027	123	$0.7856	$97
2028	123	$0.8150	$101
2029	123	$0.8455	$104
2030	123	$0.8771	$108
2031	123	$0.9099	$112
2032	123	$0.9439	$116
2033	123	$0.9792	$121
2034	123	$1.0159	$125
2035	123	$1.0539	$130
2036	123	$1.0933	$135
2037	123	$1.1342	$140
2038	123	$1.1766	$145
2039	123	$1.2206	$151
2040	123	$1.2662	$156
2041	123	$1.3136	$162
2042	123	$1.3627	$168
2043	123	$1.4137	$174
2044	123	$1.4666	$181

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%	3.36%	$11
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.36%	$10
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.36%	$10
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.36%	$10
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.36%	$10
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.36%	$9
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.36%	$9
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.36%	$9
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.36%	$9
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.36%	$8
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.36%	$8
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.36%	$8
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.36%	$8
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.36%	$8
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.36%	$7
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.36%	$7
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.36%	$7
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.36%	$7
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.36%	$7
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.36%	$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 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	3.36%	$0.44	$18.45	$1	$1
2026	$1.16	$14	3.36%	$0.47	$19.27	$1	$1
2027	$1.21	$15	3.36%	$0.50	$20.12	$1	$1
2028	$1.26	$15	3.36%	$0.50	$21.01	$1	$1
2029	$1.32	$16	3.36%	$0.54	$21.94	$1	$1
2030	$1.38	$17	3.36%	$0.57	$22.92	$1	$1
2031	$1.44	$17	3.36%	$0.57	$23.93	$1	$1
2032	$1.50	$18	3.36%	$0.61	$24.99	$1	$1
2033	$1.57	$19	3.36%	$0.64	$26.10	$1	$2
2034	$1.64	$20	3.36%	$0.67	$27.25	$1	$2
2035	$1.71	$21	3.36%	$0.71	$28.46	$1	$2
2036	$1.79	$21	3.36%	$0.71	$29.72	$1	$2
2037	$1.87	$22	3.36%	$0.74	$31.04	$1	$2
2038	$1.95	$23	3.36%	$0.77	$32.41	$1	$2
2039	$2.04	$24	3.36%	$0.81	$33.85	$1	$2
2040	$2.13	$26	3.36%	$0.87	$35.35	$1	$2
2041	$2.22	$27	3.36%	$0.91	$36.91	$1	$2
2042	$2.32	$28	3.36%	$0.94	$38.55	$1	$2
2043	$2.42	$29	3.36%	$0.97	$40.26	$1	$2
2044	$2.53	$30	3.36%	$1.01	$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	$85	$90	$8	$182	$90	$11	$1	$850.03	$952
2026	$88	$93	$8	$189	$93	$10	$1	$0.03	$105
2027	$91	$97	$8	$196	$97	$10	$1	$0.03	$108
2028	$95	$101	$8	$203	$101	$10	$1	$0.03	$112
2029	$98	$104	$8	$210	$104	$10	$1	$0.03	$115
2030	$102	$108	$8	$218	$108	$9	$1	$0.03	$119
2031	$106	$112	$8	$226	$112	$9	$1	$0.03	$123
2032	$110	$116	$8	$234	$116	$9	$1	$0.03	$127
2033	$114	$121	$8	$242	$121	$9	$2	$0.03	$131
2034	$118	$125	$8	$251	$125	$8	$2	$0.03	$135
2035	$123	$130	$8	$260	$130	$8	$2	$0.03	$140
2036	$127	$135	$8	$270	$135	$8	$2	$0.03	$145
2037	$132	$140	$8	$279	$140	$8	$2	$0.03	$149
2038	$137	$145	$8	$289	$145	$8	$2	$0.03	$155
2039	$142	$151	$8	$300	$151	$7	$2	$0.03	$160
2040	$147	$156	$8	$311	$156	$7	$2	$850.03	$1,015
2041	$153	$162	$8	$322	$162	$7	$2	$0.03	$171
2042	$158	$168	$8	$334	$168	$7	$2	$0.03	$177
2043	$164	$174	$8	$346	$174	$7	$2	$0.03	$183
2044	$170	$181	$8	$359	$181	$6	$2	$0.03	$190

Present Value of Benefits $3,391

Present Value of Costs $3,126

Benefit/Cost Ratio 1.08

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:	0.61 tonnes CO2/year	
Allowance:	$600	
Gas Utility:	Average	
I.	**Installed Cost Data**	
	Equipment	$629
	Installation	$1,504
	Total Customer Cost	$2,133
	Replacement Installation	$594
	Total Replacement (incl Equip)	$1,223
	Utility Rebate	$600
II.	**Operating Data**	
	Therms Consumed	123
	Total Building Therms	4,792
	O&M (excluding energy)	[redacted] $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	3.4%
	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 - Tankless (1)	
CO2:	2.44 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	**Electric Cost Data**	
	Equipment	$669
	Installation	$594
	Breaker and Wiring Savings	$35
	Total Customer Cost	$1,298
VII.	**Energy Conserved Data**	
	Monthly Demand kW	0.0
	Annual kWh	3,398
	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 - 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	3,398	$0.00	0.00	2.6%	$554
2026	$0.1651	3,398	$0.00	0.00	2.6%	$575
2027	$0.1715	3,398	$0.00	0.00	2.6%	$598
2028	$0.1781	3,398	$0.00	0.00	2.6%	$621
2029	$0.1850	3,398	$0.00	0.00	2.6%	$645
2030	$0.1922	3,398	$0.00	0.00	2.6%	$670
2031	$0.1997	3,398	$0.00	0.00	2.6%	$696
2032	$0.2074	3,398	$0.00	0.00	2.6%	$723
2033	$0.2155	3,398	$0.00	0.00	2.6%	$751
2034	$0.2238	3,398	$0.00	0.00	2.6%	$780
2035	$0.2325	3,398	$0.00	0.00	2.6%	$811
2036	$0.2415	3,398	$0.00	0.00	2.6%	$842
2037	$0.2509	3,398	$0.00	0.00	2.6%	$875
2038	$0.2607	3,398	$0.00	0.00	2.6%	$909
2039	$0.2708	3,398	$0.00	0.00	2.6%	$944
2040	$0.2813	3,398	$0.00	0.00	2.6%	$981
2041	$0.2922	3,398	$0.00	0.00	2.6%	$1,019
2042	$0.3035	3,398	$0.00	0.00	2.6%	$1,058
2043	$0.3153	3,398	$0.00	0.00	2.6%	$1,099
2044	$0.3275	3,398	$0.00	0.00	2.6%	$1,142

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	123	2.5%	$92
2026	$0.7573	123	2.5%	$96
2027	$0.7856	123	2.5%	$99
2028	$0.8150	123	2.5%	$103
2029	$0.8455	123	2.5%	$107
2030	$0.8771	123	2.5%	$111
2031	$0.9099	123	2.5%	$115
2032	$0.9439	123	2.5%	$119
2033	$0.9792	123	2.5%	$124
2034	$1.0159	123	2.5%	$128
2035	$1.0539	123	2.5%	$133
2036	$1.0933	123	2.5%	$138
2037	$1.1342	123	2.5%	$143
2038	$1.1766	123	2.5%	$149
2039	$1.2206	123	2.5%	$154
2040	$1.2662	123	2.5%	$160
2041	$1.3136	123	2.5%	$166
2042	$1.3627	123	2.5%	$172
2043	$1.4137	123	2.5%	$179
2044	$1.4666	123	2.5%	$185

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	123	2.5%	$87
2026	$0.7138	123	2.5%	$90
2027	$0.7405	123	2.5%	$94
2028	$0.7682	123	2.5%	$97
2029	$0.7969	123	2.5%	$101
2030	$0.8268	123	2.5%	$105
2031	$0.8577	123	2.5%	$108
2032	$0.8898	123	2.5%	$112
2033	$0.9230	123	2.5%	$117
2034	$0.9575	123	2.5%	$121
2035	$0.9934	123	2.5%	$126
2036	$1.0305	123	2.5%	$130
2037	$1.0691	123	2.5%	$135
2038	$1.1090	123	2.5%	$140
2039	$1.1505	123	2.5%	$145
2040	$1.1935	123	2.5%	$151
2041	$1.2382	123	2.5%	$157
2042	$1.2845	123	2.5%	$162
2043	$1.3325	123	2.5%	$168
2044	$1.3824	123	2.5%	$175

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	3.36%	2.5%	$8
2026	$18.84	$226.02	3.36%	2.5%	$8
2027	$18.84	$226.02	3.36%	2.5%	$8
2028	$18.84	$226.02	3.36%	2.5%	$8
2029	$18.84	$226.02	3.36%	2.5%	$8
2030	$18.84	$226.02	3.36%	2.5%	$8
2031	$18.84	$226.02	3.36%	2.5%	$8
2032	$18.84	$226.02	3.36%	2.5%	$8
2033	$18.84	$226.02	3.36%	2.5%	$8
2034	$18.84	$226.02	3.36%	2.5%	$8
2035	$18.84	$226.02	3.36%	2.5%	$8
2036	$18.84	$226.02	3.36%	2.5%	$8
2037	$18.84	$226.02	3.36%	2.5%	$8
2038	$18.84	$226.02	3.36%	2.5%	$8
2039	$18.84	$226.02	3.36%	2.5%	$8
2040	$18.84	$226.02	3.36%	2.5%	$8
2041	$18.84	$226.02	3.36%	2.5%	$8
2042	$18.84	$226.02	3.36%	2.5%	$8
2043	$18.84	$226.02	3.36%	2.5%	$8
2044	$18.84	$226.02	3.36%	2.5%	$8

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	$554	$600	$0	$1,154	$629	($1,298)	$1,504	$18	$92	$87	$8	$1,040
2026	$575	$0	$0	$575	$0	$0	$0	$19	$96	$90	$8	$213
2027	$598	$0	$0	$598	$0	$0	$0	$20	$99	$94	$8	$221
2028	$621	$0	$0	$621	$0	$0	$0	$21	$103	$97	$8	$229
2029	$645	$0	$0	$645	$0	$0	$0	$22	$107	$101	$8	$237
2030	$670	$0	$0	$670	$0	$0	$0	$23	$111	$105	$8	$246
2031	$696	$0	$0	$696	$0	$0	$0	$24	$115	$108	$8	$255
2032	$723	$0	$0	$723	$0	$0	$0	$25	$119	$112	$8	$265
2033	$751	$0	$0	$751	$0	$0	$0	$26	$124	$117	$8	$274
2034	$780	$0	$0	$780	$0	$0	$0	$27	$128	$121	$8	$285
2035	$811	$0	$0	$811	$0	$0	$0	$28	$133	$126	$8	$295
2036	$842	$0	$0	$842	$0	$0	$0	$30	$138	$130	$8	$306
2037	$875	$0	$0	$875	$0	$0	$0	$31	$143	$135	$8	$317
2038	$909	$0	$0	$909	$0	$0	$0	$32	$149	$140	$8	$329
2039	$944	$0	$0	$944	$0	$0	$0	$34	$154	$145	$8	$341
2040	$981	$0	$0	$981	$0	$0	$0	$35	$160	$151	$8	$354
2041	$1,019	$0	$0	$1,019	$0	$0	$0	$37	$166	$157	$8	$367
2042	$1,058	$0	$0	$1,058	$0	$0	$0	$39	$172	$162	$8	$381
2043	$1,099	$0	$0	$1,099	$0	$0	$0	$40	$179	$168	$8	$395
2044	$1,142	$0	$0	$1,142	$0	$0	$0	$42	$185	$175	$8	$410

Present Value of Benefits $11,142

Present Value of Costs $4,679

Benefit/Cost Ratio 2.38

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tankless (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	123	$0.6881	$85
2026	123	$0.7138	$88
2027	123	$0.7405	$91
2028	123	$0.7682	$95
2029	123	$0.7969	$98
2030	123	$0.8268	$102
2031	123	$0.8577	$106
2032	123	$0.8898	$110
2033	123	$0.9230	$114
2034	123	$0.9575	$118
2035	123	$0.9934	$123
2036	123	$1.0305	$127
2037	123	$1.0691	$132
2038	123	$1.1090	$137
2039	123	$1.1505	$142
2040	123	$1.1935	$147
2041	123	$1.2382	$153
2042	123	$1.2845	$158
2043	123	$1.3325	$164
2044	123	$1.3824	$170

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	123	$0.7300	$90
2026	123	$0.7573	$93
2027	123	$0.7856	$97
2028	123	$0.8150	$101
2029	123	$0.8455	$104
2030	123	$0.8771	$108
2031	123	$0.9099	$112
2032	123	$0.9439	$116
2033	123	$0.9792	$121
2034	123	$1.0159	$125
2035	123	$1.0539	$130
2036	123	$1.0933	$135
2037	123	$1.1342	$140
2038	123	$1.1766	$145
2039	123	$1.2206	$151
2040	123	$1.2662	$156
2041	123	$1.3136	$162
2042	123	$1.3627	$168
2043	123	$1.4137	$174
2044	123	$1.4666	$181

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	3.36%	$8
2026	$18.84	$226.02	3.36%	$8
2027	$18.84	$226.02	3.36%	$8
2028	$18.84	$226.02	3.36%	$8
2029	$18.84	$226.02	3.36%	$8
2030	$18.84	$226.02	3.36%	$8
2031	$18.84	$226.02	3.36%	$8
2032	$18.84	$226.02	3.36%	$8
2033	$18.84	$226.02	3.36%	$8
2034	$18.84	$226.02	3.36%	$8
2035	$18.84	$226.02	3.36%	$8
2036	$18.84	$226.02	3.36%	$8
2037	$18.84	$226.02	3.36%	$8
2038	$18.84	$226.02	3.36%	$8
2039	$18.84	$226.02	3.36%	$8
2040	$18.84	$226.02	3.36%	$8
2041	$18.84	$226.02	3.36%	$8
2042	$18.84	$226.02	3.36%	$8
2043	$18.84	$226.02	3.36%	$8
2044	$18.84	$226.02	3.36%	$8

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	123	$0.7300	$90
2026	123	$0.7573	$93
2027	123	$0.7856	$97
2028	123	$0.8150	$101
2029	123	$0.8455	$104
2030	123	$0.8771	$108
2031	123	$0.9099	$112
2032	123	$0.9439	$116
2033	123	$0.9792	$121
2034	123	$1.0159	$125
2035	123	$1.0539	$130
2036	123	$1.0933	$135
2037	123	$1.1342	$140
2038	123	$1.1766	$145
2039	123	$1.2206	$151
2040	123	$1.2662	$156
2041	123	$1.3136	$162
2042	123	$1.3627	$168
2043	123	$1.4137	$174
2044	123	$1.4666	$181

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	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%	3.36%	$11
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.36%	$10
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.36%	$10
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.36%	$10
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.36%	$10
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.36%	$9
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.36%	$9
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.36%	$9
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.36%	$9
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.36%	$8
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.36%	$8
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.36%	$8
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.36%	$8
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.36%	$8
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.36%	$7
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.36%	$7
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.36%	$7
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.36%	$7
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.36%	$7
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.36%	$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	3.36%	$0.44	$18.45	$1	$1
2026	$1.16	$14	3.36%	$0.47	$19.27	$1	$1
2027	$1.21	$15	3.36%	$0.50	$20.12	$1	$1
2028	$1.26	$15	3.36%	$0.50	$21.01	$1	$1
2029	$1.32	$16	3.36%	$0.54	$21.94	$1	$1
2030	$1.38	$17	3.36%	$0.57	$22.92	$1	$1
2031	$1.44	$17	3.36%	$0.57	$23.93	$1	$1
2032	$1.50	$18	3.36%	$0.61	$24.99	$1	$1
2033	$1.57	$19	3.36%	$0.64	$26.10	$1	$2
2034	$1.64	$20	3.36%	$0.67	$27.25	$1	$2
2035	$1.71	$21	3.36%	$0.71	$28.46	$1	$2
2036	$1.79	$21	3.36%	$0.71	$29.72	$1	$2
2037	$1.87	$22	3.36%	$0.74	$31.04	$1	$2
2038	$1.95	$23	3.36%	$0.77	$32.41	$1	$2
2039	$2.04	$24	3.36%	$0.81	$33.85	$1	$2
2040	$2.13	$26	3.36%	$0.87	$35.35	$1	$2
2041	$2.22	$27	3.36%	$0.91	$36.91	$1	$2
2042	$2.32	$28	3.36%	$0.94	$38.55	$1	$2
2043	$2.42	$29	3.36%	$0.97	$40.26	$1	$2
2044	$2.53	$30	3.36%	$1.01	$42.04	$1	$2

RIM Test - Results

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

Appliance Type
Water Heating - Tankless (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	$85	$90	$8	$182	$90	$11	$1	$600.03	$702
2026	$88	$93	$8	$189	$93	$10	$1	$0.03	$105
2027	$91	$97	$8	$196	$97	$10	$1	$0.03	$108
2028	$95	$101	$8	$203	$101	$10	$1	$0.03	$112
2029	$98	$104	$8	$210	$104	$10	$1	$0.03	$115
2030	$102	$108	$8	$218	$108	$9	$1	$0.03	$119
2031	$106	$112	$8	$226	$112	$9	$1	$0.03	$123
2032	$110	$116	$8	$234	$116	$9	$1	$0.03	$127
2033	$114	$121	$8	$242	$121	$9	$2	$0.03	$131
2034	$118	$125	$8	$251	$125	$8	$2	$0.03	$135
2035	$123	$130	$8	$260	$130	$8	$2	$0.03	$140
2036	$127	$135	$8	$270	$135	$8	$2	$0.03	$145
2037	$132	$140	$8	$279	$140	$8	$2	$0.03	$149
2038	$137	$145	$8	$289	$145	$8	$2	$0.03	$155
2039	$142	$151	$8	$300	$151	$7	$2	$0.03	$160
2040	$147	$156	$8	$311	$156	$7	$2	$600.03	$765
2041	$153	$162	$8	$322	$162	$7	$2	$0.03	$171
2042	$158	$168	$8	$334	$168	$7	$2	$0.03	$177
2043	$164	$174	$8	$346	$174	$7	$2	$0.03	$183
2044	$170	$181	$8	$359	$181	$6	$2	$0.03	$190

Present Value of Benefits **$3,391**

Present Value of Costs **$2,745**

Benefit/Cost Ratio **1.23**

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:	0.61 tonnes CO2/year	
Allowance:	$750	
Gas Utility:	Average	
I.	**Installed Cost Data**	
	Equipment	$629
	Installation	$1,504
	Total Customer Cost	$2,133
	Replacement Installation	$594
	Total Replacement (incl Equip)	$1,223
	Utility Rebate	$750
II.	**Operating Data**	
	Therms Consumed	[redacted] 123
	Total Building Therms	4,792
	O&M (excluding energy)	[redacted] $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	3.4%
	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 - Tankless (1)	
CO2:	2.44 tonnes CO2/year	
Rate:	Average	
Bldg:	Residential	
VI.	**Electric Cost Data**	
	Equipment	$669
	Installation	$594
	Breaker and Wiring Savings	$35
	Total Customer Cost	$1,298
VII.	**Energy Conserved Data**	
	Monthly Demand kW	0.0
	Annual kWh	3,398
	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 - 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	3,398	$0.00	0.00	2.6%	$554
2026	$0.1651	3,398	$0.00	0.00	2.6%	$575
2027	$0.1715	3,398	$0.00	0.00	2.6%	$598
2028	$0.1781	3,398	$0.00	0.00	2.6%	$621
2029	$0.1850	3,398	$0.00	0.00	2.6%	$645
2030	$0.1922	3,398	$0.00	0.00	2.6%	$670
2031	$0.1997	3,398	$0.00	0.00	2.6%	$696
2032	$0.2074	3,398	$0.00	0.00	2.6%	$723
2033	$0.2155	3,398	$0.00	0.00	2.6%	$751
2034	$0.2238	3,398	$0.00	0.00	2.6%	$780
2035	$0.2325	3,398	$0.00	0.00	2.6%	$811
2036	$0.2415	3,398	$0.00	0.00	2.6%	$842
2037	$0.2509	3,398	$0.00	0.00	2.6%	$875
2038	$0.2607	3,398	$0.00	0.00	2.6%	$909
2039	$0.2708	3,398	$0.00	0.00	2.6%	$944
2040	$0.2813	3,398	$0.00	0.00	2.6%	$981
2041	$0.2922	3,398	$0.00	0.00	2.6%	$1,019
2042	$0.3035	3,398	$0.00	0.00	2.6%	$1,058
2043	$0.3153	3,398	$0.00	0.00	2.6%	$1,099
2044	$0.3275	3,398	$0.00	0.00	2.6%	$1,142

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	123	2.5%	$92
2026	$0.7573	123	2.5%	$96
2027	$0.7856	123	2.5%	$99
2028	$0.8150	123	2.5%	$103
2029	$0.8455	123	2.5%	$107
2030	$0.8771	123	2.5%	$111
2031	$0.9099	123	2.5%	$115
2032	$0.9439	123	2.5%	$119
2033	$0.9792	123	2.5%	$124
2034	$1.0159	123	2.5%	$128
2035	$1.0539	123	2.5%	$133
2036	$1.0933	123	2.5%	$138
2037	$1.1342	123	2.5%	$143
2038	$1.1766	123	2.5%	$149
2039	$1.2206	123	2.5%	$154
2040	$1.2662	123	2.5%	$160
2041	$1.3136	123	2.5%	$166
2042	$1.3627	123	2.5%	$172
2043	$1.4137	123	2.5%	$179
2044	$1.4666	123	2.5%	$185

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	123	2.5%	$87
2026	$0.7138	123	2.5%	$90
2027	$0.7405	123	2.5%	$94
2028	$0.7682	123	2.5%	$97
2029	$0.7969	123	2.5%	$101
2030	$0.8268	123	2.5%	$105
2031	$0.8577	123	2.5%	$108
2032	$0.8898	123	2.5%	$112
2033	$0.9230	123	2.5%	$117
2034	$0.9575	123	2.5%	$121
2035	$0.9934	123	2.5%	$126
2036	$1.0305	123	2.5%	$130
2037	$1.0691	123	2.5%	$135
2038	$1.1090	123	2.5%	$140
2039	$1.1505	123	2.5%	$145
2040	$1.1935	123	2.5%	$151
2041	$1.2382	123	2.5%	$157
2042	$1.2845	123	2.5%	$162
2043	$1.3325	123	2.5%	$168
2044	$1.3824	123	2.5%	$175

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	3.36%	2.5%	$8
2026	$18.84	$226.02	3.36%	2.5%	$8
2027	$18.84	$226.02	3.36%	2.5%	$8
2028	$18.84	$226.02	3.36%	2.5%	$8
2029	$18.84	$226.02	3.36%	2.5%	$8
2030	$18.84	$226.02	3.36%	2.5%	$8
2031	$18.84	$226.02	3.36%	2.5%	$8
2032	$18.84	$226.02	3.36%	2.5%	$8
2033	$18.84	$226.02	3.36%	2.5%	$8
2034	$18.84	$226.02	3.36%	2.5%	$8
2035	$18.84	$226.02	3.36%	2.5%	$8
2036	$18.84	$226.02	3.36%	2.5%	$8
2037	$18.84	$226.02	3.36%	2.5%	$8
2038	$18.84	$226.02	3.36%	2.5%	$8
2039	$18.84	$226.02	3.36%	2.5%	$8
2040	$18.84	$226.02	3.36%	2.5%	$8
2041	$18.84	$226.02	3.36%	2.5%	$8
2042	$18.84	$226.02	3.36%	2.5%	$8
2043	$18.84	$226.02	3.36%	2.5%	$8
2044	$18.84	$226.02	3.36%	2.5%	$8

Participants Test - Results

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

Appliance Type:
Water Heating - Tankless (1)

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	$554	$750	$0	$1,304	$629	($1,298)	$1,504	$18	$92	$87	$8	$1,040
2026	$575	$0	$0	$575	$0	$0	$0	$19	$96	$90	$8	$213
2027	$598	$0	$0	$598	$0	$0	$0	$20	$99	$94	$8	$221
2028	$621	$0	$0	$621	$0	$0	$0	$21	$103	$97	$8	$229
2029	$645	$0	$0	$645	$0	$0	$0	$22	$107	$101	$8	$237
2030	$670	$0	$0	$670	$0	$0	$0	$23	$111	$105	$8	$246
2031	$696	$0	$0	$696	$0	$0	$0	$24	$115	$108	$8	$255
2032	$723	$0	$0	$723	$0	$0	$0	$25	$119	$112	$8	$265
2033	$751	$0	$0	$751	$0	$0	$0	$26	$124	$117	$8	$274
2034	$780	$0	$0	$780	$0	$0	$0	$27	$128	$121	$8	$285
2035	$811	$0	$0	$811	$0	$0	$0	$28	$133	$126	$8	$295
2036	$842	$0	$0	$842	$0	$0	$0	$30	$138	$130	$8	$306
2037	$875	$0	$0	$875	$0	$0	$0	$31	$143	$135	$8	$317
2038	$909	$0	$0	$909	$0	$0	$0	$32	$149	$140	$8	$329
2039	$944	$0	$0	$944	$0	$0	$0	$34	$154	$145	$8	$341
2040	$981	$0	$0	$981	$0	$0	$0	$35	$160	$151	$8	$354
2041	$1,019	$0	$0	$1,019	$0	$0	$0	$37	$166	$157	$8	$367
2042	$1,058	$0	$0	$1,058	$0	$0	$0	$39	$172	$162	$8	$381
2043	$1,099	$0	$0	$1,099	$0	$0	$0	$40	$179	$168	$8	$395
2044	$1,142	$0	$0	$1,142	$0	$0	$0	$42	$185	$175	$8	$410

Present Value of Benefits $11,292

Present Value of Costs $4,679

Benefit/Cost Ratio 2.41

Associated Gas Distributors of Florida
Residential Energy Conservation Program

Appliance Type	Utility Rate - Average
Water Heating - Tankless (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	123	$0.6881	$85
2026	123	$0.7138	$88
2027	123	$0.7405	$91
2028	123	$0.7682	$95
2029	123	$0.7969	$98
2030	123	$0.8268	$102
2031	123	$0.8577	$106
2032	123	$0.8898	$110
2033	123	$0.9230	$114
2034	123	$0.9575	$118
2035	123	$0.9934	$123
2036	123	$1.0305	$127
2037	123	$1.0691	$132
2038	123	$1.1090	$137
2039	123	$1.1505	$142
2040	123	$1.1935	$147
2041	123	$1.2382	$153
2042	123	$1.2845	$158
2043	123	$1.3325	$164
2044	123	$1.3824	$170

Table 1a

Revenue - Cost of Gas

1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2025	123	$0.7300	$90
2026	123	$0.7573	$93
2027	123	$0.7856	$97
2028	123	$0.8150	$101
2029	123	$0.8455	$104
2030	123	$0.8771	$108
2031	123	$0.9099	$112
2032	123	$0.9439	$116
2033	123	$0.9792	$121
2034	123	$1.0159	$125
2035	123	$1.0539	$130
2036	123	$1.0933	$135
2037	123	$1.1342	$140
2038	123	$1.1766	$145
2039	123	$1.2206	$151
2040	123	$1.2662	$156
2041	123	$1.3136	$162
2042	123	$1.3627	$168
2043	123	$1.4137	$174
2044	123	$1.4666	$181

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	3.36%	$8
2026	$18.84	$226.02	3.36%	$8
2027	$18.84	$226.02	3.36%	$8
2028	$18.84	$226.02	3.36%	$8
2029	$18.84	$226.02	3.36%	$8
2030	$18.84	$226.02	3.36%	$8
2031	$18.84	$226.02	3.36%	$8
2032	$18.84	$226.02	3.36%	$8
2033	$18.84	$226.02	3.36%	$8
2034	$18.84	$226.02	3.36%	$8
2035	$18.84	$226.02	3.36%	$8
2036	$18.84	$226.02	3.36%	$8
2037	$18.84	$226.02	3.36%	$8
2038	$18.84	$226.02	3.36%	$8
2039	$18.84	$226.02	3.36%	$8
2040	$18.84	$226.02	3.36%	$8
2041	$18.84	$226.02	3.36%	$8
2042	$18.84	$226.02	3.36%	$8
2043	$18.84	$226.02	3.36%	$8
2044	$18.84	$226.02	3.36%	$8

Table 3

Gas Costs

1	2	3	2*3
Year	Therms	Gas Supply Rate	Gas Supply Cost
2025	123	$0.7300	$90
2026	123	$0.7573	$93
2027	123	$0.7856	$97
2028	123	$0.8150	$101
2029	123	$0.8455	$104
2030	123	$0.8771	$108
2031	123	$0.9099	$112
2032	123	$0.9439	$116
2033	123	$0.9792	$121
2034	123	$1.0159	$125
2035	123	$1.0539	$130
2036	123	$1.0933	$135
2037	123	$1.1342	$140
2038	123	$1.1766	$145
2039	123	$1.2206	$151
2040	123	$1.2662	$156
2041	123	$1.3136	$162
2042	123	$1.3627	$168
2043	123	$1.4137	$174
2044	123	$1.4666	$181

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%	3.36%	$11
2026	$1,165	$2,640	$0	$664	$4,469	6.87%	3.36%	$10
2027	$1,139	$2,581	$0	$632	$4,352	6.87%	3.36%	$10
2028	$1,114	$2,524	$0	$601	$4,239	6.87%	3.36%	$10
2029	$1,089	$2,468	$0	$572	$4,129	6.87%	3.36%	$10
2030	$1,065	$2,413	$0	$544	$4,022	6.87%	3.36%	$9
2031	$1,041	$2,359	$0	$518	$3,918	6.87%	3.36%	$9
2032	$1,018	$2,307	$0	$493	$3,818	6.87%	3.36%	$9
2033	$995	$2,256	$0	$469	$3,720	6.87%	3.36%	$9
2034	$973	$2,206	$0	$446	$3,625	6.87%	3.36%	$8
2035	$951	$2,157	$0	$424	$3,532	6.87%	3.36%	$8
2036	$930	$2,109	$0	$403	$3,442	6.87%	3.36%	$8
2037	$909	$2,062	$0	$383	$3,354	6.87%	3.36%	$8
2038	$889	$2,016	$0	$364	$3,269	6.87%	3.36%	$8
2039	$869	$1,971	$0	$346	$3,186	6.87%	3.36%	$7
2040	$850	$1,927	$0	$329	$3,106	6.87%	3.36%	$7
2041	$831	$1,884	$0	$313	$3,028	6.87%	3.36%	$7
2042	$813	$1,842	$0	$298	$2,953	6.87%	3.36%	$7
2043	$795	$1,801	$0	$284	$2,880	6.87%	3.36%	$7
2044	$777	$1,761	$0	$270	$2,808	6.87%	3.36%	$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 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	3.36%	$0.44	$18.45	$1	$1
2026	$1.16	$14	3.36%	$0.47	$19.27	$1	$1
2027	$1.21	$15	3.36%	$0.50	$20.12	$1	$1
2028	$1.26	$15	3.36%	$0.50	$21.01	$1	$1
2029	$1.32	$16	3.36%	$0.54	$21.94	$1	$1
2030	$1.38	$17	3.36%	$0.57	$22.92	$1	$1
2031	$1.44	$17	3.36%	$0.57	$23.93	$1	$1
2032	$1.50	$18	3.36%	$0.61	$24.99	$1	$1
2033	$1.57	$19	3.36%	$0.64	$26.10	$1	$2
2034	$1.64	$20	3.36%	$0.67	$27.25	$1	$2
2035	$1.71	$21	3.36%	$0.71	$28.46	$1	$2
2036	$1.79	$21	3.36%	$0.71	$29.72	$1	$2
2037	$1.87	$22	3.36%	$0.74	$31.04	$1	$2
2038	$1.95	$23	3.36%	$0.77	$32.41	$1	$2
2039	$2.04	$24	3.36%	$0.81	$33.85	$1	$2
2040	$2.13	$26	3.36%	$0.87	$35.35	$1	$2
2041	$2.22	$27	3.36%	$0.91	$36.91	$1	$2
2042	$2.32	$28	3.36%	$0.94	$38.55	$1	$2
2043	$2.42	$29	3.36%	$0.97	$40.26	$1	$2
2044	$2.53	$30	3.36%	$1.01	$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	$85	$90	$8	$182	$90	$11	$1	$750.03	$852
2026	$88	$93	$8	$189	$93	$10	$1	$0.03	$105
2027	$91	$97	$8	$196	$97	$10	$1	$0.03	$108
2028	$95	$101	$8	$203	$101	$10	$1	$0.03	$112
2029	$98	$104	$8	$210	$104	$10	$1	$0.03	$115
2030	$102	$108	$8	$218	$108	$9	$1	$0.03	$119
2031	$106	$112	$8	$226	$112	$9	$1	$0.03	$123
2032	$110	$116	$8	$234	$116	$9	$1	$0.03	$127
2033	$114	$121	$8	$242	$121	$9	$2	$0.03	$131
2034	$118	$125	$8	$251	$125	$8	$2	$0.03	$135
2035	$123	$130	$8	$260	$130	$8	$2	$0.03	$140
2036	$127	$135	$8	$270	$135	$8	$2	$0.03	$145
2037	$132	$140	$8	$279	$140	$8	$2	$0.03	$149
2038	$137	$145	$8	$289	$145	$8	$2	$0.03	$155
2039	$142	$151	$8	$300	$151	$7	$2	$0.03	$160
2040	$147	$156	$8	$311	$156	$7	$2	$750.03	$915
2041	$153	$162	$8	$322	$162	$7	$2	$0.03	$171
2042	$158	$168	$8	$334	$168	$7	$2	$0.03	$177
2043	$164	$174	$8	$346	$174	$7	$2	$0.03	$183
2044	$170	$181	$8	$359	$181	$6	$2	$0.03	$190

Present Value of Benefits **$3,391**

Present Value of Costs **$2,974**

Benefit/Cost Ratio **1.14**

Exhibit B

FSEC's Participant Test and GRIM screening workbook. It shows the measure/program-level calculations and roll-ups that generate the outputs summarized in Exhibit A, with transparent linkages from inputs to formulas to results.

(Available in Excel only/to be provided on Flash Drive; please see exhibit filed April 16 2026)

Exhibit C

Assumptions and input data workbook used throughout the screening analysis (e.g., costs, savings, lifetimes, participation drivers, and avoided-cost references, as applicable). This Exhibit serves as the source-of-truth inputs supporting Exhibit B's calculations.

(Available in Excel only/to be provided on Flash Drive; please see exhibit filed April 16, 2026)

Exhibit D

FSEC final technical resources report summarizing the model structure, calculation approach, and how the Exhibit C assumptions are implemented within the analysis. This Exhibit provides the methodological basis supporting the workbook results.

(Please see exhibit filed with original filing on April 16, 2026)

Exhibit E

Efficiency Scenarios and Bill Impacts

(Please see exhibit filed with original filing on April 16, 2026)

<u>**Exhibit F**</u>

Forecast

(Please see exhibit filed with original filing on April 16, 2026)