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September 5, 2014

E-PORTAL/ELECTRONIC FILING

Ms. Carlotta Stauffer, Clerk Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850

Re: New Filing: <u>Petition of the Associated Gas Distributors of Florida for Approval of</u> Natural Gas Energy Conservation Program for Residential Users.

Dear Ms. Stauffer:

Attached for electronic filing, please find the Petition of the Associated Gas Distributors of Florida ("AGDF") for Approval of a new Compressed Natural Gas ("CNG") Home Refueling Energy Conservation Program for residential users. AGDF respectfully asks that this filing be accepted and a docket opened to address the AGDF's request.

As always, please do not hesitate to contact me if you have any questions whatsoever regarding this filing.

Sincerely,

Beth Keating Gunster, Yoakfey & Stewart, P.A. 215 South Monroe St., Suite 601 Tallahassee, FL 32301 (850) 521-1706

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

Petition of Associated Gas Distributors of Florida) for Approval of Natural Gas Energy Conservation) Program for Residential Users.)

) Docket No.:

) Filed: September 5, 2014

PETITION FOR APPROVAL OF A CNG HOME REFUELING ENERGY CONSERVATION PROGRAM FOR RESIDENTIAL CUSTOMERS

In accordance with Rules 25-17.009 and 28-106.201, Florida Administrative Code, the Associated Gas Distributors of Florida ("AGDF" or "Petitioner")¹, by and through its undersigned counsel, hereby petitions the Florida Public Service Commission ("Commission") on behalf of its members for approval of a Compressed Natural Gas (CNG) Home Refueling Energy Conservation Program (hereinafter referred to as "CNG Refueling Program") for residential users, and in support of this Petition states:

1. The exact name and address of the principal office of the Petitioner is as follows:

Associated Gas Distributors of Florida P.O. Box 11026 Tallahassee, Florida 32302

2. Notices and communications with respect to this petition and docket should be addressed to the following:

Beth Keating Gunster, Yoakley & Stewart, P.A. 215 South Monroe St., Suite 601 Tallahassee, FL 32301 (850) 521-1706 G. David Rogers, Executive Director Associated Gas Distributors of Florida P.O. Box 11026 Tallahassee, Florida 32302

¹ As noted in Paragraph 3 hereof, for purposes of this Petition, the AGDF makes this request on behalf of select members, not its full membership.

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3. AGDF is a trade association representing the following investor-owned natural gas utilities, all of which are subject to the jurisdiction of the Florida Public Service Commission under Chapter 366, Florida Statutes. The members represented by AGDF are Florida City Gas ("City Gas"), Florida Public Utilities Company ("FPUC"), including Florida Public Utilities Company – Indiantown Division and Central Florida Gas Division ("FPUC-Indiantown" and "FPUC-CFG," respectively), Peoples Gas System ("Peoples Gas"), Sebring Gas System ("Sebring") and St. Joe Natural Gas Company ("St. Joe") (herein generally referred to as the "LDCs"). For purposes of this Petition, however, Peoples Gas and St. Joe do not join in the request set forth herein.

4. AGDF is a Florida Not-For-Profit representing the collective interests of its members both before the Federal Energy Regulatory Commission ("FERC") and the Commission. In recent years, the AGDF has worked to develop a series of demand side management programs, including a residential conservation program, a conservation demonstration and development program, and most recently a commercial conservation program.² Furthermore, in all of these areas, AGDF has led the industry's efforts in consumer education activities throughout the state and assists with the coordination of members' efforts in this regard.

5. AGDF files this petition on behalf of the members specified in Paragraph 3, each of whom would otherwise have standing in their own right to bring a similar petition. Furthermore, the relief requested herein does not require the participation of the individual members of the AGDF, and is consistent with and germane to the AGDF's organizational purpose. Standing for AGDF to file this petition is therefore appropriate pursuant to <u>Rosenzwieg v. Department of</u>

² See, Orders Nos. PSC-10-0113-PAA-EG, issued in Docket No. 090122-EG; PSC-10-0551-PAA-EG, issued in Docket No. 100186-EG; and PSC-14-0039-PAA-EG, as amended, issued in Docket No. 130167-EG.

<u>Transportation</u>, 979 So. 2d 1050 (Fla. 1st DCA 2008), and <u>Farm Worker Rights Organization</u>, <u>Inc. v. Dept. of Health and Rehabilitative Services</u>, 417 So.2d 753, (Fla. 1st DCA 1982).³ Moreover, this petition replaces multiple, separate petitions, which should facilitate the review process and contribute to administrative efficiencies.

6. As described in greater detail below, the CNG Refueling Program proposed herein is consistent with the State's well-articulated policy to encourage CNG in the Florida Marketplace. This petition is also consistent with the Commission's own energy efficiency policies and Commission orders recognizing the Legislature's desire to promote CNG development.⁴ Moreover, it is noteworthy that the CNG Refueling Program will: 1) advance the policy objectives set forth in Rule 25-17.001, Florida Administrative Code, as well as the Florida Energy Efficiency and Conservation Act ("FEECA")⁵; 2) be directly monitored and yield measurable results; and 3) be cost-effective.⁶

I. BACKGROUND AND POLICY

7. For its part, Florida has already implemented progressive policies to advance CNG and LNG vehicles. Florida leadership has proactively encouraged CNG as an emerging industry recognizing it as a "game changer" for economic development.⁷ During the 2012 Florida

³ See also, <u>Hunt v. Washington State Apple Adver. Comm'n</u>, 432 U.S. 333 (1977) (setting forth a three prong test for associational standing); and <u>Florida Home Builders Association vs. Department of Labor and Security</u>, 412 So.2d 351 (Fla. 1982) (determining that a trade association had standing to initiate a rule challenge).

⁴ See, Order No. PSC-13-0398-TRF-GU, issued August 29, 2013, in Docket No. 130147-GU, approving Florida City Gas' NGV tariff modifications; and Order No. PSC-13-0395-TRF-GU, issued August 28, 2013, in Docket No. 130135-GU, approving Commercial Natural Gas Service Programs (NGV) for FPU, FPU-Indiantown, and the Florida Division of Chesapeake Utilities Corporation.

⁵ Sections <u>366.80-366.85</u> and <u>403.519</u>, Florida Statutes,("Florida Energy Efficiency and Conservation Act.")

⁶ Order No. 22176, issued in Docket No. 890737-PU.

⁷ For instance, following the passage of the motor tax fuel bill (*discussed herein*) in 2013, Senator Wilton Simpson commented that, "This legislation will pave the way for the increased use of natural gas; spurring economic growth, reducing our dependency on foreign oil, and providing a cleaner burning source of fuel."

Legislative Session, changes to Section 334.044, F.S., were passed that required the development of the Freight Mobility and Trade Plan ("Trade Plan"). The statutory directive for the Trade Plan specified it should include "proposed policies and investments that promote," among other things, "the increasing implementation" of CNG policies to reduce transportation costs for businesses and residents within the state.⁸ Following on that initiative, the 2013 Legislature passed a significant Natural Gas Motor Fuel Act that provides incentives for end users. The new law became effective January 1, 2014, and established a fuel tax structure for natural gas used as a motor fuel similar to that for diesel fuel beginning January 1, 2019, thereby exempting natural gas fuel from fuel taxes for five years, and permanently exempts individual use/residential home fueling from fuel taxes. The bill also exempted natural gas fuel from state sales and use taxes and expanded the definition of "energy efficiency improvement" to include "installation of systems for natural gas fuel" under uses authorized by the Local Government Infrastructure Surtax. In addition, the new law called for the establishment of a natural gas fuel fleet vehicle rebate program under the Department of Agriculture and Consumer Services ". . .to help reduce transportation costs in this state and encourage freight mobility investments that contribute to the economic growth of the state."9 These actions by the Legislature clearly reflect that the policy of this State is to promote the use of natural gas as a vehicle fuel that can not only produce significant cost savings for consumers, but also provide significant environmental benefits.

8. Natural gas is a clean, abundant domestic source of energy for this State, as well as a clean and efficient fuel for transportation. Not only does the direct use of natural gas save money for residential and commercial customers, it can also produce significant environmental

⁸ Section 334.044(33) (a) (4), F.S.

⁹ Chapter 2013-198, Laws of Florida; codified in Chapters 206, 212, and 337, Florida Statutes.

benefits, consistent with the key considerations set forth in FEECA.¹⁰ An added consideration is the fact that gas conservation programs make a substantive contribution towards achieving statewide carbon reduction, because natural gas appliances reduce source-based electric generation carbon emissions.¹¹

Consistent with the statewide goals and support of CNG, AGDF seeks approval for the 9. identified AGDF members to include a new conservation program for residential end users that will provide rebates for the installation of in-home fueling stations for CNG vehicles. The proposal is similar in many respects to the residential conservation programs approved by the Commission in Docket No. 100186-EG with some distinctions noted herein due to the appliance addressed by the program.

The goal of the program proposed herein is to increase the direct end-use of natural gas as 10. an efficient vehicle transportation fuel. The program will facilitate the state's policy goals regarding natural gas use by enhancing residential customers' ability to install in-home CNG fueling appliances. Installation of such appliances will not only allow customers to more easily use their CNG vehicle, but also will provide an additional financial incentive for residential customers to select CNG vehicles when considering alternative fuel vehicle options.

Considering Florida's significant reliance upon natural gas for electric generation, the 11. increased direct use of natural gas can be expected to reduce, over time, the total quantities of natural gas used in Florida. The CNG Refueling Program will fulfill, therefore, the state's liberally-construed objectives of: (1) reducing and controlling the growth rates of electric

 ¹⁰ See, Section 366.82 (3)(d), Florida Statutes.
 ¹¹ For instance, the FSEC has calculated that the carbon reduction for the CNG Home Refueling station versus an Electric Plug-in is 0.153 tons of CO^2 per year.

consumption; (2) increasing the overall efficiency and cost-effectiveness of electricity and natural gas production and use; and (3) conserving expensive resources, particularly petroleum fuels.¹²

12. As AGDF has noted in the past, having common programs and incentives statewide for the LDCs enables AGDF to implement statewide advertising and promotional efforts, such as collaborative marketing campaigns, and other consumer education and outreach activities conducted on behalf of the LDCs. AGDF's experience has shown that the customers benefit from a consistent, unified marketing campaign on conservation programs. Such campaigns are best practices for consumer communication and result in greater likelihood of success in choice and implementation. AGDF therefore expects to include this new program in the established marketing strategy, which will achieve efficiencies and advertising cost savings that would not exist were such campaigns undertaken on an individual, company-by-company basis.

13. Consistent with the conservative approach AGDF has taken with past conservation programs, AGDF has projected a relatively low participation rate for this new program, particularly in the early years. The anticipated low participation rate does not, however, reduce the "value add" of this program, nor does it detract from the fact that this program is consistent with the energy policy goals set forth by the Florida Legislature. To the contrary, this new program will provide consumers with an option and an incentive to choose a CNG vehicle when they might otherwise be less inclined to choose a CNG vehicle due to limited fueling options. In fact, deployment of CNG vehicles at the individual consumer level has been inhibited by limited fueling options. The quandary for the market has, to date, been the proverbial "chicken or the

¹² See, Section 366.81, Florida Statutes.

egg" situation – retail fueling stations are not being aggressively placed into service, because demand is low due to the limited number of vehicles. In turn, the consumer market for CNG vehicles has been hampered by the limited availability of fueling options, other than those available for commercial trucking and mass transit.

14. Providing an incentive for the in-home fueling appliance will make personal CNG vehicles a more viable option for consumers. As more CNG vehicles take the road, AGDF anticipates that increased visibility of CNG vehicles will lead to greater consumer interest levels in these alternative-fueled vehicles and, therefore, greater participation in the proposed CNG Home Refueling program. Thus, while the initial participation levels for the proposed program may be low, the long-term potential of the program to create a ground swell of support for the use of CNG as a viable and efficient fuel of choice for consumers is great.

15. AGDF emphasizes that the marketing and administrative costs associated with this new program are anticipated to be low as a result of the joint marketing strategy that the members already have in place; thus, the incremental costs associated with the program, which would be recovered through the conservation cost recovery clause, will be minimal, especially in the early years when AGDF projects that few rebates will be issued. Consequently, the fact that AGDF anticipates low participation rates, particularly in the early years, will have no direct financial impact, in and of itself, on customers.

16. Each of the member LDCs currently administers Commission-approved conservation programs and participates in the Energy Conservation Cost Recovery process, as provided in Rule 25-17.015, Florida Administrative Code. All of the LDCs currently offer conservation programs for residential customers. The Commission recently approved AGDF's offering of

various commercial programs in Docket No. 130167-EG by Order No. PSC-14-0039-PAA-EG, issued January 14, 2014.¹³ In addition, certain AGDF members also offer industrial conservation programs.

The increased focus on natural gas as an efficient and clean vehicle fuel highlights the 17. importance and timeliness of this natural gas conservation program. As noted in the Commission's December 2012 Report on Electric Vehicle Recharging ("Report"), federal Corporate Average Fuel Economy standards ("CAFE standards") require that cars and light-duty trucks meet a fuel efficiency standard of 54.5 MPG by the year 2025.¹⁴ As also noted in the Report, the CAFE standards include incentives for early adopters of advanced technologies for fuel efficient vehicles, including specific incentives to manufacturers for natural gas vehicles.¹⁵

With this Petition, AGDF provides the required information on the proposed residential 18. CNG Refueling Program and includes data regarding its cost-effectiveness.

II. CNG HOME REFUELING CONSERVATION PROGRAM

The CNG Refueling Program for which AGDF seeks approval would entail cash 19. allowances (rebates) for the initial purchase and installation of CNG home refueling units only. Due to the fact that the CNG Home Refueling appliances are "emerging" technologies and the uncertainty surrounding future costs (which are expected to be lower) and availability of these appliances, the AGDF believes that it is appropriate to only seek cash allowances for the initial

 ¹³ As amended by Order No. PSC-14-0039A-PAA, issued January 17, 2014.
 ¹⁴ <u>Report</u>, at Appendix B, pages 39-40.
 ¹⁵ <u>Id.</u>, at page 41.

purchase and installation of the CNG home refueling appliances at this time. This approach is similar to the existing conservation programs that the Commission has previously approved for specific AGDF members for residential and commercial cooling programs. Therefore, the AGDF is <u>not</u> seeking cash allowances (rebates) for either the retention of existing CNG Home Refueling appliances or the replacement of electric car plug-in appliances with CNG Home Refueling appliances in the instant petition.

20. AGDF has utilized the Commission-approved cost effectiveness test methodologies (G-RIM Test and Participants Test) required by Rule 25-17.009, F.A.C., to determine the cost/benefit of the proposed CNG Refueling Program. AGDF is proposing a rebate amount of up to \$4,500 for the initial purchase and installation of a CNG Home Refueling appliance.¹⁶ Attachment 1 is a composite document containing a summary of each AGDF member's G-RIM and Participants Tests results, using the proposed rebate amount, for the program, as well as the individual cost effectiveness test runs. As shown, given the proposed rebate level, the tests demonstrate positive cost/benefits for each AGDF member. The correlating individual LDC G-RIM and Participants Tests runs are also provided with this filing on a DVD.

21. This program is part of a multi-year effort that began in 2009, whereby AGDF members have jointly participated in the compilation of the data necessary to properly assess a variety of conservation programs. This joint effort is reflected in the AGDF filings over the past few years in Dockets Nos. 090122-EG, 100186-EG, and 130167-EG. The LDC-specific data gathered by the AGDF members was then input to the same residential program cost model used to make the

¹⁶ AGDF proposes that the rebate amount be "up to" \$4,500, because it anticipates that, in time, the price of the inhome fueling appliance will decrease as other competitors enter the market.

appropriate cost/benefit analyses that supported the residential programs approved by the Commission in Docket No. 100186-EG.

However, this Program is somewhat different than the residential programs already 22. approved by the Commission. The CNG Refueling Program specifically targets an appliance that requires the purchase of a certain type of vehicle, in this case a dedicated CNG vehicle and the comparable appliance is an electric "plug-in" appliance that also requires a dedicated electric This is unlike any other existing residential program. For example, residential vehicle. conservation programs targeting the water heater do not look at costs of infrastructure "downstream" of the water heater. The reason these costs are not included in the G-RIM and Participants Tests is that the water piping and faucets/fixtures that are installed are not dependent on whether the water heater is fueled by natural gas or electricity. In this example, the costs "downstream" of the water heater are the same, regardless of the fuel used to operate the water heater. As described above, this is not the case for the CNG Refueling Program. Specifically, an initial assumption was made that a CNG refueling unit would not be installed at a residence, unless the owner had also decided to purchase a CNG vehicle. Thus, a baseline assumption for the cost-effectiveness test runs was that the customer had already made a determination that he or she would purchase an alternative fuel vehicle. The model inputs therefore made a comparison of the incremental costs associated with the purchase, operation, and maintenance of a CNG vehicle, include the home refueling unit, against the purchase, operation, and maintenance of an electric vehicle recharged at the residence. This approach is appropriate and reasonable in that it better takes into account the full range of costs that are associated with the installation of a home refueling unit and makes the appropriate "apples to apples" comparison to

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the alternative available. Unless the vehicle that serves as the impetus for the purchase of the unit is included in the analysis, it is impossible to make a true "apples to apples" cost analysis.

23. Given that the CNG Refueling Program is different than the existing residential conservation programs approved previously by the Commission, the AGDF has split the required data elements of the two tests (G-RIM and Participants) into two categories: 1) data elements that are consistent with those used in previous conservation program filings; and 2) data elements that are unique to the CNG Refueling Program.

24. The data elements that are consistent with previous AGDF filings, as well as how the elements were derived are as follows:

- a) Residential electric rates: obtained for 2014 from each of the four major electric utilities web sites; electric rates used are for the "over 1000 kWh" rates;
- b) PGA Recovery Factor: used the 2013 average PGA rate for each utility (Docket No. 130003-GU); for those utilities that have exited the merchant function, the average standard residential rate offered by third-party marketers has been utilized;
- c) Costs for Service Lines, Meter and Meter Installation, Regulator and Regulator Installation were obtained (Schedule E-7 for the appropriate rate classification) from the most recent general rate increase filing for each AGDF member. Distribution main extension costs of \$500 per residence is used in the model and is the same amount used in the previous residential program filing;
- Administrative Costs trended the costs (New Customer Admin Cost and Gas Facility O&M Cost) approved in the previous residential program filing for each utility (Docket No. 090122) for inflation from 2009 through 2014;

- e) Discount Rate reflects the average mid-point overall rate of return allowed for each utility from the December 31, 2013 Earnings Surveillance Report (most current report commonly available for all utilities);
- f) Depreciation rates are from the most recent Commission-approved Depreciation Study for each utility;
- g) Annual EC Program costs derived from the most recent Commission-approved Energy Conservation Cost Recovery filing for each utility. Impacts calculated for residential customers, given participation levels projected through 2016 under the CNG Refueling Program for each utility. Methodology is consistent with that utilized and approved in Docket No. 130167-EG – "Petition for approval of natural gas energy conservation programs for commercial customers, by Associated Gas Distributors of Florida"; and
- h) General Inflation Rate; Customer Tax Rates, Fuel and O&M Escalators and Non-Fuel
 Gas and Electric Rate Escalators utilize the same factors as approved in Docket No.
 100186-EG. These factors were contained in the Florida Solar Energy Center's
 ("FSEC") report, dated April 12, 2010, titled "Developing Natural Gas Cost
 Escalation Rates for the Associated Gas Distributors of Florida".
- 25. The data elements that are unique for this filing are:
 - a) Vehicle type the dedicated natural gas vehicle used in the Tests is the Honda Civic, which gets an EPA estimated 27 miles/gallon equivalent in city driving and 38 miles/gallon equivalent for highway driving. The all-electric Nissan Leaf is used in the Tests, which gets an EPA estimated 129 miles/gallon equivalent in city driving

and 102 miles/gallon equivalent for highway driving. These vehicles were utilized because they are dedicated vehicles (required for electric "plug-in" capabilities), are comparable vehicles and are available for purchase in the current market.

- b) Annual consumption: there are two parts to this data element: 1) CNG Refueling appliance consumption; and 2) total home natural gas consumption. The CNG Refueling appliance consumption is calculated utilizing 15,000 annual driving miles for each vehicle described above (50% city / 50% highway miles). FSEC has calculated that a natural gas vehicle would use 609 therms per year and an electric vehicle would use 4,454 kWh per year for this driving range. The total home natural gas consumption is assumed to be for a home with the four typical appliances (furnace, tankless water heater, range and clothes dryer), using the annual therms approved in Docket No. 100186-EG, plus the CNG Refueling appliance consumption. Because an alternative fuel vehicle is considered to be a "high-end" product, it is appropriate to assume that the residential consumer would utilize the four "core" natural gas appliances in the home. The total projected consumption for the five appliances is 999 therms per year.
- c) Residential natural gas rates: most of the AGDF members have rates based on annual consumption. The residential rate selected for each utility is based on the annual consumption of 999 therms.
- d) MSRP for the dedicated natural gas Honda Civic is \$26,640. The MSRP for the Nissan Leaf S is \$28,980. Both prices are before any federal incentives, which are not included in the analysis due to the uncertainty of availability going forward.

- e) The Phill Home Refueling Unit, produced by BRC FuelMaker, assumed to be the unit installed at the residence, has an initial cost of \$4,500, with an installation cost of \$1,795 for piping, electrical connections and venting.¹⁷
- f) Recharging Equipment for Electric Vehicle The Level 2 battery recharging wall unit is capable of fully recharging the Leaf's battery pack overnight. Level 2 units will add about 10 to 20 miles of range per hour compared to a Level 1 unit, which only adds about 2 to 5 miles of range per hour. The initial installation cost for the Electric Plug-in Level 2 unit is \$1,200, with no annual operations or maintenance cost for the plug-in unit itself.
- g) The CNG Refueling Unit operations and maintenance costs are based on replacing the compression module every eight (8) years, replacing the hose every four (4) years and 1,294 kWh of annual electricity usage for refueling the vehicle in order to drive 15,000 miles. The annual O&M cost for the CNG Refueling Unit is \$423.40 in the first year. As long as the maintenance procedures are followed, the unit is not expected to be replaced over the life of the model (20 years).
- h) The Electric recharging unit is virtually maintenance free. However, the Nissan Leaf may experience a significant loss of battery capacity within five (5) years so that the range is substantially reduced. In fact, the issue is so prevalent that Nissan has recently announced a battery replacement program for the Leaf such that an owner can pay "approximately \$100 per month" in order to get a new battery pack when the

¹⁷ <u>See</u>, for technical details, <u>http://www.brcfuelmaker.com/phill-domestico-prodotto-brc-fuel-maker.aspx</u> (note: website may initially appear in Italian, but English translation option is available). Pricing information is estimated based upon limited market experience of AGDF members.

battery capacity decreases below 75% of full capacity.¹⁸ The annualized O&M cost for the vehicle's electric battery packs is \$900 in year one.

26. Based on the various inputs, the analysis results are presented in the form of the G-RIM and Participants Test scores, as shown in Attachment 1. As reflected therein, both the G-RIM and Participants Tests results for the proposed allowances exceed 1.0 (results above 1.0 are deemed to generate cost benefits) for each LDC. While there is some variation in the results among the member LDCs, this variation is due largely to the fact that the LDCs each have different rate structures and costs, as well as different projection rates for the proposed energy conservation rebate program. In sum, the test results clearly demonstrate that there are positive cost/benefits associated with the CNG Refueling Program for each LDC, which coincide with the significant policy benefits associated with implementation of the program statewide.

III. CONCLUSION

27. In passing House Bill 579¹⁹, encouraging increased use of natural gas as a motor fuel, the Legislature anticipated "increased savings for drivers utilizing vehicles powered by natural gas fuel, an increase in conversions of vehicle fleets from being powered by traditional fuels to natural gas fuel, and an increase in natural gas refueling infrastructure across the state."²⁰ The CNG Refueling Program proposed by AGDF in this petition is consistent with the directive of the Legislature and the Governor to promote CNG as an alternative fuel source. In addition,

¹⁸ See <u>http://www.nissanusa.com/electric-cars/leaf/charging-range/battery/</u> and <u>http://www.edmunds.com/car-news/nissan-leaf-owners-to-get-battery-replacement-option.html</u>.

¹⁹ Codified at Chapter 2013-198, Laws of Florida.

²⁰ State of Florida, House of Representatives, Final Bill Analysis CS/C/HB 579 (2013).

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this program complies with the Commission's historic tests for evaluating such programs and furthers the demand side management policy objectives found in current law, policies, and procedures. Commission approval of the program will enable the identified AGDF members to implement the CNG Refueling Program consistent with state policy. Moreover, Commission approval will allow AGDF to facilitate participation in the program through a homogeneous statewide marketing plan, which will further enhance the overall effectiveness of the programs.

WHEREFORE, the Associated Gas Distributors of Florida respectfully requests that the Commission enter its order granting this Petition and approve the proposed CNG Refueling Program as described herein.

RESPECTFULLY SUBMITTED this 5th day of September, 2014.

By:

Beth Keating

Florida Bar No.0022756

Gunster, Yoakley & Stewart, P.A. 215 South Monroe St., Suite 601 Tallahassee, FL 32301

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Attorneys for Associated Gas Distributors of Florida

Attachment 1 Composite Test Results for AGDF Members G-RIM and Participants Tests

	CNG Refueling		
	Program Rebate	G-RIM Test	Participants Test
AGDF Member	Level	Results	Results
Florida City Gas	\$4,500	1.15	1.25
Florida Public Utilities			
	\$4,500	1.25	1.17
Florida Public Utilities –			
Indiantown Division	\$4,500	1.10	1.38
Florida Division of			
Chesapeake Utilities	\$4,500	1.16	1.07
Corporation			
Sebring Gas System	\$4,500	1.25	1.25

FLORIDA CITY GAS

RIM Test - Results

Appliance Type

CNG - Refueling (1)

Gas Utility Rate - Florida City Gas

Elec Utility Rate - Weighted Average

Building Type - Residential

	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
2014	\$306	\$372	\$88	\$766	\$372	\$108	\$22	\$4,500	\$5,003
2015	\$321	\$390	\$88	\$799	\$390	\$104	\$23	\$0	\$518
2016	\$336	\$409	\$88	\$833	\$409	\$101	\$24	\$0	\$535
2017	\$352	\$429	\$88	\$869	\$429	\$98	\$25	\$0	\$552
2018	\$369	\$450	\$8B	\$907	\$450	\$95	\$25	\$0	\$570
2019	\$387	\$471	\$88	\$946	\$471	\$92	\$26	\$0	\$590
2020	\$406	\$494	\$88	\$988	\$494	\$89	\$27	\$0	\$610
2021	\$425	\$518	\$88	\$1,031	\$518	\$86	\$28	\$0	\$632
2022	\$446	\$543	\$88	\$1,077	\$543	\$84	\$29	\$0	\$656
2023	\$467	\$569	\$88	\$1,125	\$569	\$81	\$30	\$0	\$680
2024	\$490	\$597	\$88	\$1,175	\$597	\$78	\$31	\$0	\$706
2025	\$514	\$626	\$88	\$1,227	\$626	\$76	\$32	\$0	\$734
2026	\$538	\$656	\$88	\$1,282	\$656	\$74	\$33	\$0	\$762
2027	\$564	\$688	\$88	\$1,340	\$688	\$71	\$34	\$0	\$793
2028	\$592	\$721	\$88	\$1,400	\$721	\$69	\$35	\$0	\$825
2029	\$620	\$756	\$88	\$1,464	\$756	\$67	\$36	\$0	\$858
2030	\$650	\$792	\$88	\$1,530	\$792	\$65	\$37	\$0	\$894
2031	\$682	\$830	\$88	\$1,600	\$830	\$63	\$39	\$0	\$932
2032	\$715	\$871	\$88	\$1,673	\$871	\$61	\$40	\$0	\$971
2033	\$749	\$913	\$88	\$1,749	\$913	\$59	\$41	\$0	\$1,012
	I	Present Value	9				Present Valu	ie	
		of Benefits	-	\$17,144	=		of Costs		\$14,901
							Benefit/Cos	st	
							Ratio		1.15

Appliance Type	Utility Rate - Weighted Average
CNG - Refueling (1)	Building Type - Residentia
Other Equipment Included in Analysis:	Water Heating - Tankless (1), Cooking Equipment (1), Fumace (1), Clothes Drying (1)

Fuel Rate Escalator	4.83%	Depreciation Rate - Supply Main	3,00%
Gas Energy Charge Escalator	4.83%	Depreciation Rate - Development Main	3,00%
Gas Customer Charge Escalator	0.00%	Depreciation Rate - Service Line	3.90%
O&M/Inflation Escalator	3.19%	Depreciation Rate - Meter	4.50%

able 1				Table 1a			
	Revenue	e - Energy Charg	je	Revenue	e - Cost of	Gas	
1	2	3	2*3	1	2	3	2*3
Year	Thems	Base Rate	Total	Year	Therms	Fuel Hate	Total Charge
			Charge				
2014	609	\$0,5021	\$306	2014	609	\$0.6117	\$372
2015	609	\$0.5264	\$321	2015	609	\$0.6412	\$390
2016	609	\$0.5518	\$336	2016	609	\$0.6722	\$409
2017	609	\$0.5785	\$352	2017	609	\$0.7047	\$429
2018	609	\$0.6064	\$369	2018	609	\$0.7387	\$450
2019	609	\$0.6357	\$387	2019	609	\$0.7744	\$471
2020	609	\$0.6664	\$406	2020	609	\$0.8118	\$494
2021	609	\$0.6986	\$425	2021	609	\$0.8510	\$518
2022	609	\$0.7323	\$446	2022	609	\$0.8921	\$543
2023	609	\$0.7677	\$467	2023	609	\$0.9352	\$569
2024	609	\$0.8048	\$490	2024	609	\$0.9803	\$597
2025	609	\$0.8437	\$514	2025	609	\$1,0277	\$626
2026	609	\$0.8844	\$538	2026	609	\$1.0773	\$656
2027	609	\$0.9271	\$564	2027	609	\$1.1294	\$688
2028	609	\$0.9719	\$592	2028	609	\$1.1839	\$721
2029	609	\$1.0168	\$620	2029	609	\$1.2411	\$756
2030	609	\$1.0681	\$650	2030	609	\$1,3010	\$792
2031	609	\$1.1196	\$682	2031	609	\$1.3639	\$830
2032	609	\$1.1737	\$715	2032	609	\$1.4297	\$871
2033	609	\$1.2304	\$749	2033	609	\$1.4988	\$913

Associated Gas Distributors of Florida **Residential Energy Conservation Program**

able 2 Reven	ue - Custo	mer Char	qe		Ğ	able 3	\$		
1	2	3	4	3*4	E	1	2	3	2*3
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Cutomer Charge		Year	Therms	Gas Supply Rate	Gas Supply Cost
2014	\$12.00	\$144.00	60.96%	\$88		2014	609	\$0.6117	\$372
2015	\$12.00	\$144.00	60.96%	\$88		2015	609	\$0.6412	\$390
2016	\$12.00	\$144.00	60.96%	\$88		2016	60 9	\$0.6722	\$409
2017	\$12.00	\$144.00	60.96%	\$88		2017	609	\$0.7047	\$429
2018	\$12.00	\$144.00	60.96%	\$86		2018	609	\$0.7387	\$450
2019	\$12.00	\$144.00	60.96%	\$88		2019	609	\$0.7744	\$471
2020	\$12.00	\$144.00	60.96%	\$88		2020	609	\$0.8118	\$494
2021	\$12.00	\$144.00	60.96%	\$88		2021	609	\$0.8510	\$518
2022	\$12.00	\$144.00	60.96%	\$88	1	2022	609	\$0.8921	\$543
2023	\$12.00	\$144.00	60.96%	\$88		2023	609	\$0,9352	\$569
2024	\$12.00	\$144.00	60.96%	\$88	1	2024	609	\$0.9803	\$597
2025	\$12.00	\$144.00	60.96%	\$88		2025	609	\$1.0277	\$626
2026	\$12.00	\$144.00	60.96%	\$88		2026	609	\$1.0773	\$656
2027	\$12.00	\$144.00	60.96%	\$88		2027	609	\$1.1294	\$688
2028	\$12.00	\$144.00	60.96%	\$88		2028	609	\$1,1839	\$721
2029	\$12.00	\$144.00	60.96%	\$88		2029	609	\$1.2411	\$756
2030	\$12.00	\$144.00	60.96%	\$88		2030	609	\$1,3010	\$792
2031	\$12.00	\$144.00	60.96%	\$88		2031	609	\$1.3639	\$830
2032	\$12.00	\$144.00	60.96%	\$88		2032	609	\$1.4297	\$871
2033	\$12.00	\$144.00	60.96%	\$88		2033	609	\$1.4988	\$913

Appliance Type	Utility Rate - Weighted Average
CNG - Refueling (1)	Building Type - Large Commercial Hospitality
Other Equipment Included in Analysis:	Water Heating - Tankless (1), Cooking Equipment (1), Furnace (1), Clothes Drying (1)

Table 4

		tin and a final state of the second state of the second	Investment	Carrying	Costs		<u></u>	
1	2	3	4	5	6	7	8	6*7*8
Year	Supply Main	Development	Service Line	Meter	Total	Cost of	Ratio of Therms	Investment
		Main			Investmen	Debt	Consumed To	Carrying
					t		Total	Cost
2014	\$2,075	\$500	\$0	\$307	\$2,882	6.14%	60.96%	\$108
2015	\$2,013	\$485	\$0	\$293	\$2,791	6.14%	60.96%	\$104
2016	\$1,953	\$470	\$0	\$280	\$2,703	6.14%	60.96%	\$101
2017	\$1,894	\$456	\$0	\$267	\$2,617	6,14%	60,96%	\$98
2018	\$1,837	\$442	\$0	\$255	\$2,534	6.14%	60.96%	\$95
2019	\$1,782	\$429	\$0	\$244	\$2,455	6.14%	60.96%	\$92
2020	\$1,729	\$416	\$0	\$233	\$2,378	6.14%	60.96%	\$89
2021	\$1,677	\$404	\$0	\$223	\$2,304	6.14%	60.96%	\$86
2022	\$1,627	\$392	\$0	\$213	\$2,232	6.14%	60.96%	\$84
2023	\$1,578	\$380	\$0	\$203	\$2,161	6.14%	60.96%	\$81
2024	\$1,531	\$369	\$0	\$194	\$2,094	6.14%	60.96%	\$78
2025	\$1,485	\$358	\$0	\$185	\$2,028	6.14%	60.96%	\$76
2026	\$1,440	\$347	\$0	\$177	\$1,964	6.14%	60.96%	\$74
2027	\$1,397	\$337	\$0	\$169	\$1,903	6.14%	60. 96 %	\$71
2028	\$1,355	\$327	\$0	\$161	\$1,843	6.14%	60.96%	\$69
2029	\$1,314	\$317	\$0	\$154	\$1,785	6.14%	60.96%	\$67
2030	\$1,275	\$307	\$0	\$147	\$1,729	6.14%	60.96%	\$65
2031	\$1,237	\$298	\$0	\$140	\$1,675	6.14%	60.96%	\$63
2032	\$1,200	\$289	\$0	\$134	\$1,623	6.14%	60.96%	\$61
2033	\$1,164	\$280	\$0	\$128	\$1,572	6.14%	60.96%	\$59

Table 5

Incremental Customer Costs									
1	2	3	4	5=3*4	6	8=6*4	5+8		
				Annual		Annual			
				Ratio		Ratio	Total Incremental		
	Monthly	Annual Adm.	Ratio Therms To	Adm,	Annual	O&M	Adm. & O&M		
Year	Adm. Cost	Cost	Total Consumed	Cost	O&M Cost	Cost	Cost		
2014	\$1.94	\$23	60.96%	\$14.02	\$13.59	8.3	\$22		
2015	\$2.00	\$24	60.96%	\$14.63	\$14.02	8.5	\$23		
2016	\$2.07	\$25	60.96%	\$15.24	\$14.47	8.8	\$24		
2017	\$2.13	\$26	60.96%	\$15.85	\$14.93	9.1	\$25		
2018	\$2.20	\$26	60.96%	\$15.85	\$15.41	9.4	\$25		
2019	\$2.27	\$27	60.96%	\$16.46	\$15.90	9.7	\$26		
2020	\$2.34	\$28	60.96%	\$17.07	\$16.41	10.0	\$27		
2021	\$2.42	\$29	60.96%	\$17.68	\$16.93	10.3	\$28		
2022	\$2.49	\$30	60.96%	\$18.29	\$17.47	10.6	\$29		
2023	\$2.57	\$31	60.96%	\$18.90	\$18.03	11.0	\$30		
2024	\$2.66	\$32	60.96%	\$19.51	\$18.60	11.3	\$31		
2025	\$2.74	\$33	60.96%	\$20.12	\$19.20	11.7	\$32		
2026	\$2.83	\$34	60.96%	\$20.72	\$19.81	12.1	\$33		
2027	\$2.92	\$35	60.96%	\$21.33	\$20.44	12.5	\$34		
2028	\$3.01	\$36	60.96%	\$21.94	\$21.09	12.9	\$35		
2029	\$3.11	\$37	60.96%	\$22.55	\$21.77	13.3	\$36		
2030	\$3.21	\$38	60.96%	\$23.16	\$22.46	13.7	\$37		
2031	\$3.31	\$40	60.96%	\$24.38	\$23.18	14.1	\$39		
2032	\$3.41	\$41	60.96%	\$24.99	\$23.92	14.6	\$40		
2033	\$3.52	\$42	60.96%	\$25.60	\$24.68	15.0	\$41		

								<u> </u>	Gas I	Jtility Ra	te - Florid	a City Gas
Applia	ance Type:]				Elec Uti	lity Rate	- Weighte	d Average
CNG ·	- Refueling	a (1)				Building Type - Resid				Residentia		
		<u>)</u>	er Equipment Inc	luded in Analysis:	J Water Heating	- Tankless (1), C	ookina Eauiami	ent (1). Furnace	(1). Clothes	Drvina (1)	<u> </u>	
		Benefits	1		1		(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 2014	3 \$647	4 \$4,500	5 \$900	3 thru 5 \$6,047	7 \$31,140	8 (\$30,180)	9 \$1,795	10 \$437	11 \$382	12 \$313	13 \$90	7 thru 13 \$3,977
2015 2016	\$672 \$699	\$0 \$0	\$929 \$958	\$1,601 \$1,657	\$0 \$0	\$0 \$0	\$0 \$0	\$451 \$465	\$400 \$419	\$329 \$34 4	\$90 \$90	\$1,270 \$1,319
2017 2018	\$726 \$755	\$0 \$0	\$989 \$1,020	\$1,715 \$1,775	\$0 \$0	\$0 \$0	\$0 \$0	\$480 \$495	\$440 \$461	\$361 \$378	\$90 \$90	\$1,371 \$1,425
2019 2020 2021	\$784 \$815 \$847	\$0 \$0 \$0	\$1,053 \$1,087 \$1,121	\$1,837 \$1,901 \$1,968	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$511 \$528 \$544	\$483 \$507 \$531	\$397 \$416 \$436	\$90 \$90 \$90	\$1,481 \$1,540 \$1,601
2022 2023	\$880 \$915	\$0 \$0	\$1,157 \$1,194	\$2,037 \$2,108	\$0 \$0	\$0 \$0	\$0 \$0	\$562 \$580	\$557 \$584	\$457 \$479	\$90 \$90	\$1,666 \$1,732
2024 2025	\$950 \$988	\$0 \$0	\$1,232 \$1,271	\$2,182 \$2,259	\$0 \$0	\$0 \$0	\$0 \$0	\$598 \$617	\$612 \$641	\$502 \$527	\$90 \$90	\$1,802 \$1,875
2026 2027 2028	\$1,026 \$1,067 \$1,108	\$0 \$0 \$0	\$1,312 \$1,354 \$1,397	\$2,338 \$2,420 \$2,505	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$637 \$657 \$678	\$672 \$705 \$739	\$552 \$579 \$607	\$90 \$90 \$90	\$1,951 \$2,031 \$2.114
2020	\$1,152 \$1,197	\$0 \$0	\$1,441 \$1,487	\$2,593 \$2,684	\$0 \$0	\$0 \$0 \$0	\$0 \$0	\$700 \$722	\$775 \$812	\$636 \$667	\$90 \$90	\$2,200 \$2,291
2031 2032	\$1,244 \$1,293	\$0 \$0	\$1,535 \$1,584	\$2,779 \$2,877	\$0 \$0	\$0 \$0 \$0	\$0 \$0	\$745 \$769 \$704	\$851 \$892 \$935	\$699 \$733 \$768	\$90 \$90 \$90	\$2,385 \$2,484 \$2,587
2033 \$1,343 \$0 \$1,634 \$2,978			1 20	φU				<i>φ100</i>	Present Val			
			of Benefits	\$36,348	-						of Costs	\$29,068
										Benefit Ratio	/Cost	1.25

Associated Gas Distributors of Florida

Residential Energy Conservation Program

CNG - Refueling (1)

Other Equipment Included in Analysis: Water Heating - Tankless (1), Cooking Equipment (1), Furnace (1), Clothes Drying (1) e 1 - Electric KWH/KW Cost Table 2 - Gas Fuel Charge

	Table 1 - Electric KWH/KW Cost									
Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthiy Demand kW	Tax Rate	Electric Cost				
A	В	С	D	E	F	(B*C+12*D*E)*(1+F)				
2014	\$0.1417	4,454	\$0.00	0.00	2.5%	\$647				
2015	\$0.1473	4,454	\$0.00	0.00	2.5%	\$672				
2016	\$0.1531	4,454	\$0.00	0.00	2.5%	\$699				
2017	\$0.1591	4,454	\$0.00	0.00	2.5%	\$726				
2018	\$0.1653	4,454	\$0.00	0.00	2,5%	\$755				
2019	\$0.1718	4,454	\$0.00	0.00	2.5%	\$784				
2020	\$0.1785	4,454	\$0.00	0.00	2.5%	\$815				
2021	\$0.1855	4,454	\$0.00	0.00	2.5%	\$847				
2022	\$0,1928	4,454	\$0.00	0.00	2.5%	\$880				
2023	\$0.2003	4,454	\$0.00	0.00	2.5%	\$915				
2024	\$0.2082	4,454	\$0.00	0.00	2.5%	\$950				
2025	\$0.2163	4,454	\$0.00	0.00	2.5%	\$988				
2026	\$0.2248	4,454	\$0.00	0.00	2.5%	\$1,026				
2027	\$0.2336	4,454	\$0.00	0.00	2.5%	\$1,067				
2028	\$0.2428	4,454	\$0.00	0.00	2.5%	\$1,108				
2029	\$0.2523	4,454	\$0.00	0.00	2.5%	\$1,152				
2030	\$0.2622	4,454	\$0.00	0.00	2.5%	\$1,197				
2031	\$0.2725	4,454	\$0.00	0.00	2.5%	\$1,244				
2032	\$0.2832	4,454	\$0.00	0.00	2.5%	\$1,293				
2033	\$0.2943	4,454	\$0.00	0.00	2.5%	\$1,343				

Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	В	С	D	B*C *(1+D)
2014	\$0.6117	609	2.5%	\$382
2015	\$0.6412	609	2.5%	\$400
2016	\$0.6722	609	2,5%	\$419
2017	\$0.7047	609	2.5%	\$440
2018	\$0.7387	609	2.5%	\$461
2019	\$0.7744	609	2.5%	\$483
2020	\$0.8118	609	2.5%	\$507
2021	\$0.8510	609	2.5%	\$531
2022	\$0.8921	609	2.5%	\$557
2023	\$0.9352	609	2.5%	\$584
2024	\$0.9803	609	2.5%	\$612
2025	\$1.0277	609	2.5%	\$641
2026	\$1.0773	609	2.5%	\$672
2027	\$1.1294	609	2.5%	\$705
2028	\$1.1839	609	2.5%	\$739
2029	\$1.2411	609	2.5%	\$775
2030	\$1.3010	609	2.5%	\$812
2031	\$1.3639	609	2.5%	\$851
2032	\$1.4297	609	2.5%	\$892
2033	\$1.4988	609	2.5%	\$935

Table 3 - Gas Energy Charge							
Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost			
A	В	С	D	B*C *(1+D)			
2014	\$0.5021	609	2.5%	\$313			
2015	\$0.5264	609	2.5%	\$329			
2016	\$0.5518	609	2.5%	\$344			
2017	\$0.5785	609	2.5%	\$361			
2018	\$0.6064	609	2.5%	\$378			
2019	\$0.6357	609	2.5%	\$397			
2020	\$0.6664	609	2.5%	\$416			
2021	\$0.6986	609	2.5%	\$436			
2022	\$0.7323	609	2.5%	\$457			
2023	\$0.7677	609	2.5%	\$479			
2024	\$0.8048	609	2.5%	\$502			
2025	\$0.8437	609	2.5%	\$527			
2026	\$0.8844	609	2.5%	\$552			
2027	\$0.9271	609	2.5%	\$579			
2028	\$0.9719	609	2.5%	\$607			
2029	\$1.0188	609	2.5%	\$636			
2030	\$1.0681	609	2.5%	\$667			
2031	\$1.1196	609	2.5%	\$699			
2032	\$1.1737	609	2.5%	\$733			
2033	\$1.2304	609	2.5%	\$768			

	Table 4 - Gas Customer Charge								
	Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge			
ľ	A	В	C	D	E	C*D*(1+E)			
ſ	2014	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2015	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2016	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2017	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2018	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2019	\$12.00	\$144.00	60.96%	2.5%	\$90			
ļ	2020	\$12.00	\$144.00	60.96%	2.5%	\$90			
l	2021	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2022	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2023	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2024	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2025	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2026	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2027	\$12.00	\$144.00	60.96%	2.5%	\$90			
_	2028	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2029	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2030	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2031	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2032	\$12.00	\$144.00	60.96%	2.5%	\$90			
	2033	\$12.00	\$144.00	60.96%	2.5%	\$90			

Gas:	CNG - Refueling (1)		
Year:	2014		
CO2:	3.04 tonnes CO2/year		
Allowance:	\$4,500	l.	
Gas Utility:	Florida City Gas		
Ι.	Installed Cost Data		¢01 140
	Equipment		\$31,140
	Installation		\$1,795
	Total Customer Cost	742	\$32,935
	Replacement Installation		\$1,200
	Total Replacement (incl Equip)		\$32,340
	Utility Rebate		\$4,500
11.	Operating Data		
	Therms Consumed		609
	Total Building Therms		999
	O&M (excluding energy)		\$437
111.	Rates and Charges		
	ECCR		\$0.0655
	Distribution Charge		\$0.4366
	Commodity Charge		\$0.6117
	Taxes & Fees		2.50%
	Customer Chg		\$12.00
	Average Life (years)		30
	Appliance Therms /Total Therms		60.96%
	EC Program Adm. Cost		\$0.12
IV	New Customer Installation Costs		
	Service Line		\$2.075
	Development Main		\$500
	Other		\$0
	Meter		\$307
		Total	\$2,882
V.	New Customer Admin. Cost \$/mc	onth	\$1.94

Elec:	CNG - Refueling (1)	
CO2: Rate: Bidg: VI.	3.19 tonnes CO2/year Weighted Average Residential Electric Cost Data Equipment Installation Breaker and Wiring Savings Total Customer Cost	\$28,980 \$1,200 \$0 \$30,180
VII,	Energy Conserved Data Monthly Demand kW Annual kWh O&M (excluding energy)	0.00 4,454 \$900
VIII.	Electric Rates and Charges Electric Rate per kW Electric Rate per kWh Electric Fuel rate Electric Base rate Electric Taxes & Fees Customer Chg Average Life in Yrs	\$0.00 \$0.14173 \$0.0435 \$0.0982 2.50% \$8.91 30

FLORIDA PUBLIC UTILITIES COMPANY

RIM Test - Results

Appliance Type

CNG - Refueling (1)

Gas Utility Rate - Florida Public Utilities

Elec Utility Rate - Weighted Average

Building Type - Residential

	Incremental		Incremental						
	Revenue	Incremental	Revenue			Investment	Incremental		
	Energy	Revenue	Customer	Total Gas	Gas Supply	Carrying	Customer		
	Charge	Cost of Gas	Charge	Revenue	Cost	Cost	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
2014	\$360	\$383	\$80	\$823	\$383	\$42	\$45	\$4,500	\$4,970
2015	\$377	\$402	\$80	\$859	\$402	\$41	\$46	\$0	\$489
2016	\$395	\$421	\$80	\$897	\$421	\$40	\$47	\$0	\$509
2017	\$414	\$441	\$80	\$936	\$441	\$39	\$49	\$0	\$529
2018	\$434	\$463	\$80	\$978	\$463	\$38	\$50	\$0	\$551
2019	\$455	\$485	\$80	\$1,021	\$485	\$37	\$52	\$0	\$574
2020	\$477	\$508	\$80	\$1,066	\$508	\$36	\$53	\$0	\$598
2021	\$500	\$533	\$80	\$1,114	\$533	\$35	\$55	\$0	\$623
2022	\$525	\$559	\$80	\$1,164	\$559	\$34	\$57	\$0	\$650
2023	\$550	\$586	\$80	\$1,216	\$586	\$33	\$59	\$0	\$678
2024	\$577	\$614	\$80	\$1,271	\$614	\$32	\$61	\$0	\$707
2025	\$604	\$644	\$80	\$1,328	\$644	\$32	\$63	\$0	\$738
2026	\$634	\$675	\$80	\$1,389	\$675	\$31	\$65	\$0	\$770
2027	\$664	\$707	\$80	\$1,452	\$707	\$30	\$66	\$0	\$804
2028	\$696	\$741	\$80	\$1,518	\$741	\$29	\$69	\$0	\$840
2029	\$730	\$777	\$80	\$1,588	\$777	\$28	\$71	\$0	\$877
2030	\$765	\$815	\$80	\$1,660	\$815	\$28	\$73	\$0	\$916
2031	\$802	\$854	\$80	\$1,737	\$854	\$27	\$76	\$0	\$957
2032	\$841	\$895	\$80	\$1,817	\$895	\$26	\$78	\$0	\$1,000
2033	\$881	\$939	\$80	\$1,901	\$939	\$26	\$80	\$0	\$1,045
			-				Dropont Vol		
	Present Value		¢10 5/0	-		of Costs	ae	\$14 841	
		of Denents		\$10,04Z			01 00313		ן דט _ו דו ש
							Benefit/Cos	st	
							Ratio		1.25
							Constraints and a second second		

Appliance Type		Utility Rate - Weighted Average
CNG - Refueling (1)		Building Type - Residential
		Bulluling Type - Hesidelitian
Other Continuent (netuded in Amelicator)	Mater Hasting Test	dass (1) Contring Equipment (1) Europea (1) Clather Davise (1)

Other Equipment Included In Analysis: Water Heating - Tankless (1), Cooking Equipment (1), Fumace (1), Clothes Drying (1)

Fuel Rate Escalator	4.83%	Depreciation Rate - Supply Main	2.50%
Gas Energy Charge Escalator	4.83%	Depreciation Rate - Development Main	2.50%
Gas Customer Charge Escalator	0.00%	Depreciation Rate - Service Line	3.40%
O&M/Inflation Escalator	3.19%	Depreciation Rate - Meter	3.40%

Table 1

Revenue - Energy Charge						
1	2	3	2*3			
Year	Therms	Base Rate	Total			
			Charge			
2014	609	\$0.5908	\$360			
2015	609	\$0.6194	\$377			
2016	609	\$0.6493	\$395			
2017	609	\$0.6807	\$414			
2018	609	\$0,7135	\$434			
2019	609	\$0.7480	\$455			
2020	609	\$0.7841	\$477			
2021	609	\$0.8220	\$500			
2022	609	\$0.8617	\$525			
2023	609	\$0.9033	\$550			
2024	609	\$0.9469	\$577			
2025	609	\$0.9927	\$604			
2026	609	\$1.0406	\$634			
2027	609	\$1.0909	\$664			
2028	609	\$1.1436	\$696			
2029	609	\$1.1988	\$730			
2030	609	\$1.2567	\$765			
2031	609	\$1.3174	\$802			
2032	609	\$1.3811	\$841			
2033	609	\$1.4478	\$881			

lable 1a			
Revenue	- Cost of	Gas	
1	2	3	2*3
Year	Therms	Fuel Aate	Total Charge
2014	609	\$0.6292	\$383
2015	609	\$0.6596	\$402
2016	609	\$0.6914	\$421
2017	609	\$0.7248	\$441
2018	609	\$0.7598	\$463
2019	609	\$0.7965	\$485
2020	609	\$0.8350	\$508
2021	609	\$0.8753	\$533
2022	609	\$0.9176	\$559
2023	609	\$0.9619	\$586
2024	609	\$1.0084	\$614
2025	609	\$1.0571	\$644
2026	609	\$1.1081	\$675
2027	609	\$1.1617	\$707
2028	609	\$1.2178	\$741
2029	609	\$1.2766	\$777
2030	609	\$1.3383	\$815
2031	609	\$1,4029	\$854
2032	609	\$1.4706	\$895
2033	609	\$1.5417	\$939

Associated Gas Distributors of Florida Residential Energy Conservation Program

Applia CNG -	Refueling	(1)			Building	Utili Type - Lai	ty Rate - Weight rge Commercial	ed Average Hospitality
Table 2	Oth 2	er Equipment In	cluded in Analysis: Wi	aler Heating - Tankless (1), C	Cooking Equipment Table 3	(1), Fumace (1), Clothes Drying (1)	
Rever	ue - Custo	mer Charg	ge		Gas Cos	sts		
1	2	3	4	3*4	1	2	3	2*3
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Cutomer Charge	Year	Therms	Gas Supply Rate	Gas Supply Cost
2014	\$11.00	\$132.00	60,96%	\$80	2014	609	\$0.6292	\$383
2015	\$11.00	\$132.00	60.96%	\$80	2015	609	\$0.6596	\$402
2016	\$11.00	\$132.00	60.96%	\$80	2016	609	\$0.6914	\$421
2017	\$11.00	\$132.00	60.96%	\$80	2017	609	\$0.7248	\$441
2018	\$11.00	\$132.00	60.96%	\$80	2018	609	\$0.7598	\$463
2019	\$11.00	\$132.00	60.96%	\$80	2019	609	\$0.7965	\$485
2020	\$11.00	\$132.00	60,96%	\$80	2020	609	\$0.8350	\$508
2021	\$11.00	\$132.00	60.96%	\$80	2021	609	\$0.8753	\$533
2022	\$11.00	\$132.00	60.96%	\$80	2022	609	\$0.9176	\$559
2023	\$11.00	\$132.00	60.96%	\$80	2023	609	\$0.9619	\$586
2024	\$11.00	\$132.00	60.96%	\$80	2024	609	\$1.0084	\$614
2025	\$11.00	\$132.00	60.96%	\$80	2025	609	\$1.0571	\$644
2026	\$11.00	\$132.00	60.96%	\$80	2026	609	\$1.1081	\$675
2027	\$11.00	\$132.00	60.96%	\$80	2027	609	\$1.1617	\$707
2028	\$11.00	\$132.00	60.96%	\$80	2028	609	\$1.2178	\$741
2029	\$11.00	\$132.00	60.96%	\$80	2029	609	\$1.2766	\$777
2030	\$11.00	\$132.00	60.96%	\$80	2030	609	\$1,3383	\$815
2031	\$11.00	\$132.00	60.96%	\$80	2031	609	\$1.4029	\$854
2032	\$11.00	\$132.00	60.96%	\$80	2032	609	\$1,4706	\$895
2033	\$11.00	\$132.00	60.96%	\$80	2033	609	\$1.5417	\$939

Appliance Type	Utility Rate - Weighted Avera
CNG - Refueling (1)	Building Type - Large Commercial Hospital
Other Equipment Included in Analysis:	Water Heating - Tankless (1), Cooking Equipment (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	Service Line	Meter	Total	Cost of	Ratio of Therms	Investment	
		Main			Investmen	Debt	Consumed To	Carrying	
					t		Total	Cost	
2014	\$318	\$500	\$0	\$172	\$990	7.01%	60.96%	\$42	
2015	\$310	\$488	\$0	\$166	\$964	7.01%	60.96%	\$41	
2016	\$302	\$476	\$0	\$160	\$938	7.01%	60.96%	\$40	
2017	\$294	\$464	\$0	\$155	\$913	7.01%	60.96%	\$39	
2018	\$287	\$452	\$0	\$150	\$889	7.01%	60.96%	\$38	
2019	\$280	\$441	\$0	\$145	\$866	7.01%	60.96%	\$37	
2020	\$273	\$430	\$0	\$140	\$843	7.01%	60.96%	\$36	
2021	\$266	\$419	\$0	\$135	\$820	7.01%	60.96%	\$35	
2022	\$259	\$409	\$0	\$130	\$798	7.01%	60.96%	\$34	
2023	\$253	\$399	\$0	\$126	\$778	7.01%	60.96%	\$33	
2024	\$247	\$389	\$0	\$122	\$758	7.01%	60.96%	\$32	
2025	\$241	\$379	\$0	\$118	\$738	7.01%	60.96%	\$32	
2026	\$235	\$370	\$0	\$114	\$719	7.01%	60.96%	\$31	
2027	\$229	\$361	\$0	\$110	\$700	7.01%	60.96%	\$30	
2028	\$223	\$352	\$0	\$106	\$681	7.01%	60.96%	\$29	
2029	\$217	\$343	\$0	\$102	\$662	7.01%	60.96%	\$28	
2030	\$212	\$334	\$0	\$99	\$645	7.01%	60.96%	\$28	
2031	\$207	\$326	\$0	\$96	\$629	7.01%	60.96%	\$27	
2032	\$202	\$318	\$0	\$93	\$613	7.01%	60.96%	\$26	
2033	\$197	\$310	\$0	\$90	\$597	7.01%	60.96%	\$26	

Table 5

Incremental Customer Costs							
1	2	3	4	5=3*4	6	8=6*4	5+8
			<u> </u>	Annual		Annual	
				Ratio		Ratio	Total Incremental
	Monthly	Annual Adm.	Ratio Therms To	Adm.	Annual	O&M	Adm. & O&M
Year	Adm. Cost	Cost	Total Consumed	Cost	O&M Cost	Cost	Cost
2014	\$2.63	\$32	60.96%	\$19.51	\$41.11	25.1	\$45
2015	\$2.71	\$33	60.96%	\$20.12	\$42.42	25.9	\$46
2016	\$2.80	\$34	60.96%	\$20.72	\$43.77	26.7	\$47
2017	\$2.89	\$35	60.96%	\$21.33	\$45.17	27.5	\$49
2018	\$2.98	\$36	60,96%	\$21.94	\$46.61	28.4	\$50
2019	\$3.08	\$37	60.96%	\$22.55	\$48.10	29.3	\$52
2020	\$3.18	\$38	60.96%	\$23.16	\$49.63	30.3	\$53
2021	\$3.28	\$39	60.96%	\$23.77	\$51.22	31.2	\$55
2022	\$3.38	\$41	60.96%	\$24.99	\$52.85	32.2	\$57
2023	\$3.49	\$42	60.96%	\$25.60	\$54.54	33.2	\$59
2024	\$3.60	\$43	60.96%	\$26.21	\$56.28	34.3	\$61
2025	\$3.72	\$45	60,96%	\$27.43	\$58.07	35.4	\$63
2026	\$3.83	\$46	60.96%	\$28.04	\$59.92	36.5	\$65
2027	\$3.96	\$47	60.96%	\$28.65	\$61.84	37.7	\$66
2028	\$4.08	\$49	60.96%	\$29.87	\$63.81	38.9	\$69
2029	\$4.21	\$51	60.96%	\$31.09	\$65.84	40.1	\$71
2030	\$4.35	\$52	60.96%	\$31.70	\$67.94	41.4	\$73
2031	\$4.49	\$54	60.96%	\$32.92	\$70.11	42.7	\$76
2032	\$4.63	\$56	60.96%	\$34.14	\$72.35	44.1	\$78
2033	\$4.78	\$57	60.96%	\$34.74	\$74.66	45.5	\$80

				Pa	rticipar	nts Test	- Resu	lts			******	
							·····	Ga	s Utility	Rate - Fl	orida Pub	lic Utilities
App	liance Type	*							Elec Uti	lity Rate	- Weighte	ed Average
CNO	à - Refuelino	a (1)								Buildir	ng Type - I	Residential
		01	her Equipment In	cluded in Analysis:	Water Heating	- Tankless (1), C	ooking Equipm	ent (1), Furnace	e (1), Clothes	Drying (1)		
		Benefits	5		T			Costs				
Yea	r 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
201	4 \$647	\$4,500	\$900	\$6,047	\$31,140	(\$30,180)	\$1,795	\$465	\$393	\$369	\$82	\$4,063
201	5 \$672	\$0	\$929	\$1,601	\$0	\$0	\$0	\$479	\$412	\$387	\$82	\$1,360
201	6 \$699	\$0	\$958	\$1,657	\$0	\$0	\$0	\$495	\$432	\$405	\$82	\$1,414
201	7 \$726	\$0	\$989	\$1,715	\$0	\$0	\$0	\$510	\$452	\$425	\$82	\$1,470
201	8 \$755	\$0	\$1,020	\$1,775	\$0	\$0	\$0	\$527	\$474	\$445	\$82	\$1,529
201	9 \$784	\$0	\$1,053	\$1,837	\$0	\$0	\$0	\$543	\$497	\$467	\$82	\$1,590
202	0 \$815	\$0	\$1,087	\$1,901	\$0	\$0 \$0	\$0 \$0	\$561	\$521	\$489	\$82	\$1,054
202	1 \$847	\$0	\$1,121	\$1,968	\$0	\$U \$0	\$U \$0	\$5/9	\$040 ¢570	00100 0000	902 000	\$1,720
202	2 \$880	\$0 \$0	\$1,157	\$2,037	\$0	\$0 \$0	\$0 ¢0	\$597	\$573 ¢eno	\$538 \$564	\$82 \$97	\$1,790
202	3 \$915	\$0	\$1,194	\$2,108	\$U \$0	\$U \$0	\$U \$0	\$010 \$600	\$000 \$600	0004 0004	402 ¢00	\$1,000
202	4 \$950	\$0 ©0	\$1,232	\$2,182	\$0	\$U ¢0	\$U \$0	\$656 \$656	\$029 \$660	1959 (0,000	40∠ ¢92	\$2,939
202	5 \$988	\$U ¢0	\$1,271 61,240	\$2,209	50	\$U \$0	φ0 ¢0	\$630 \$677	\$607	\$640	\$92	\$2,010
202	7 \$1,020	ው ቁስ	\$1,312	\$2,338	\$0	\$0 \$0	φ0 \$0	\$699	\$725	\$681	\$82	\$2,187
202	8 \$1 108	\$0 \$0	\$1,397	\$2,505	\$0	\$0 \$0	\$0	\$721	\$760	\$714	\$82	\$2.277
202	9 \$1,100	\$0 \$0	\$1 441	\$2,593	\$0	\$0 \$0	\$0	\$744	\$797	\$748	\$82	\$2,371
203	0 \$1,197	\$0	\$1,487	\$2.684	\$0	\$0	\$0	\$768	\$835	\$784	\$82	\$2,470
203	1 \$1,244	\$0	\$1,535	\$2,779	\$0	\$0	\$0	\$792	\$876	\$822	\$82	\$2,572
203	2 \$1,293	\$0	\$1,584	\$2,877	\$0	\$0	\$0	\$817	\$918	\$862	\$82	\$2,680
203	3 \$1,343	\$0	\$1,634	\$2,978	\$0	\$0	\$0	\$844	\$962	\$904	\$82	\$2,792
			Present Valu	e							Present Va	ue
			of Benefits	\$36,348							of Costs	\$31,051
										Benefit	/Cost	1 17
										L Hatto		1.17

Associated Gas Distributors of Florida

Residential Energy Conservation Program

CNG - Refueling (1)

Other Equipment Included in Analysis: Water Heating - Tankless (1), Cooking Equipment (1), Furnace (1), Clothes Drying (1)
e 1 - Electric KWH/KW Cost
Table 2 - Gas Fuel Charge

		Table 1 -	Electric K	WH/KW C	ost	
Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthly Demand kW	Tax Rate	Electric Cost
A	В	С	D	E	F	(B*C+12*D*E)*(1+F)
2014	\$0.1417	4,454	\$0.00	0.00	2.5%	\$647
2015	\$0.1473	4,454	\$0.00	0.00	2.5%	\$672
2016	\$0.1531	4,454	\$0.00	0.00	2.5%	\$699
2017	\$0.1591	4,454	\$0.00	0.00	2.5%	\$726
2018	\$0.1653	4,454	\$0.00	0.00	2.5%	\$755
2019	\$0.1718	4,454	\$0.00	0.00	2.5%	\$784
2020	\$0.1785	4,454	\$0.00	0.00	2.5%	\$815
2021	\$0.1855	4,454	\$0.00	0.00	2.5%	\$847
2022	\$0.1928	4,454	\$0.00	0.00	2.5%	\$880
2023	\$0.2003	4,454	\$0.00	0.00	2.5%	\$915
2024	\$0.2082	4,454	\$0.00	0.00	2.5%	\$950
2025	\$0.2163	4,454	\$0.00	0.00	2.5%	\$988
2026	\$0.2248	4,454	\$0.00	0.00	2.5%	\$1,026
2027	\$0.2336	4,454	\$0.00	0.00	2.5%	\$1,067
2028	\$0.2428	4,454	\$0.00	0.00	2.5%	\$1,108
2029	\$0.2523	4,454	\$0.00	0.00	2.5%	\$1,152
2030	\$0.2622	4,454	\$0.00	0,00	2.5%	\$1,197
2031	\$0.2725	4,454	\$0.00	0.00	2.5%	\$1,244
2032	\$0.2832	4,454	\$0.00	0.00	2.5%	\$1,293
2033	\$0.2943	4,454	\$0.00	0.00	2.5%	\$1,343

Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
А	В	С	D	B*C *(1+D)
2014	\$0.6292	609	2.5%	\$393
2015	\$0.6596	609	2.5%	\$412
2016	\$0.6914	609	2.5%	\$432
2017	\$0.7248	609	2.5%	\$452
2018	\$0.7598	609	2.5%	\$474
2019	\$0.7965	609	2.5%	\$497
2020	\$0.8350	609	2.5%	\$521
2021	\$0.8753	609	2.5%	\$546
2022	\$0.9176	609	2.5%	\$573
2023	\$0.9619	609	2.5%	\$600
2024	\$1.0084	609	2.5%	\$629
2025	\$1.0571	609	2.5%	\$660
2026	\$1.1081	609	2.5%	\$692
2027	\$1.1617	609	2.5%	\$725
2028	\$1.2178	609	2.5%	\$760
2029	\$1.2766	609	2.5%	\$797
2030	\$1.3383	609	2.5%	\$835
2031	\$1.4029	609	2.5%	\$876
2032	\$1.4706	609	2.5%	\$918
2033	\$1.5417	609	2.5%	\$962

Table 3 - Gas Energy Charge											
Year	Year Rate Per Annual Tax Rate Gas Cost Therm Therms										
A	В	С	D	B*C *(1+D)							
2014	\$0.5908	609	2.5%	\$369							
2015	\$0.6194	609	2.5%	\$387							
2016	\$0.6493	609	2.5%	\$405							
2017	\$0.6807	609	2.5%	\$425							
2018	\$0.7135	609	2.5%	\$445							
2019	\$0.7480	609	2.5%	\$467							
2020	\$0.7841	609	2.5%	\$489							
2021	\$0.8220	609	2.5%	\$513							
2022	\$0.8617	609	2.5%	\$538							
2023	\$0.9033	609	2.5%	\$564							
2024	\$0.9469	609	2.5%	\$591							
2025	\$0.9927	609	2.5%	\$620							
2026	\$1.0406	609	2.5%	\$649							
2027	\$1.0909	609	2.5%	\$681							
2028	\$1.1436	609	2.5%	\$714							
2029	\$1.1988	609	2.5%	\$748							
2030	\$1.2567	609	2.5%	\$784							
2031	\$1.3174	609	2.5%	\$822							
2032	\$1.3811	609	2.5%	\$862							
2033	\$1.4478	609	2.5%	\$904							

			Table 4 - Gas Custome	r Charge		
	Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge
	A	В	C	D	E	C*D*(1+E)
	2014	\$11.00	\$132.00	60.96%	2.5%	\$82
	2015	\$11.00	\$132.00	60.96%	2.5%	\$82
	2016	\$11.00	\$132.00	60.96%	2.5%	\$82
	2017	\$11.00	\$132.00	60.96%	2,5%	\$82
	2018	\$11.00	\$132.00	60.96%	2.5%	\$82
	2019	\$11.00	\$132.00	60.96%	2.5%	\$82
	2020	\$11.00	\$132.00	60.96%	2,5%	\$82
	2021	\$11.00	\$132.00	60.96%	2.5%	\$82
	2022	\$11.00	\$132.00	60.96%	2.5%	\$82
	2023	\$11.00	\$132.00	60.96%	2.5%	\$82
l	2024	\$11.00	\$132.00	60.96%	2.5%	\$82
	2025	\$11.00	\$132.00	60.96%	2.5%	\$82
	2026	\$11.00	\$132.00	60.96%	2.5%	\$82
I	2027	\$11.00	\$132.00	60.96%	2.5%	\$82
l	2028	\$11.00	\$132.00	60.96%	2.5%	\$82
۱	2029	\$11.00	\$132.00	60.96%	2.5%	\$82
	2030	\$11.00	\$132.00	60.96%	2.5%	\$82
1	2031	\$11.00	\$132.00	60.96%	2.5%	\$82
	2032	\$11.00	\$132.00	60.96%	2.5%	\$82
-	2033	\$11.00	\$132.00	60.96%	2.5%	\$82

Residential Energy Conservation Program

Gas:	CNG - Refueling (1)		Elec:	CNG - Refueling (1)	
Year:	2014				
CO2:	3.04 tonnes CO2/year		CO2:	3.19 tonnes CO2/year	
Allowance:	\$4,500		Rate:	Weighted Average	
Gas Utility:	Florida Public Utilities		Bldg:	Residential	
Ι.	Installed Cost Data	4	VI.	Electric Cost Data	* ~~ ~~~
	Equipment	\$31,140		Equipment	\$28,980
	Installation	\$1,795		Installation	\$1,200
	Total Customer Cost	\$32,935		Breaker and Wiring Savings	\$0
				Total Customer Cost	\$30,180
	Replacement Installation	\$1,200			
	Total Replacement (incl Equip)	\$32,340			
	Utility Rebate	\$4,500			
11.	Operating Data				
	Therms Consumed	609	VII.	Energy Conserved Data	
	Total Building Therms	999		Monthly Demand kW	0.00
	O&M (excluding energy)	\$465		Annual kWh	4,454
				O&M (excluding energy)	\$900
(11.	Rates and Charges				
	ECCR	\$0.0926	VIII.	Electric Rates and Charges	* = ==
	Distribution Charge	\$0.4983		Electric Rate per kW	\$0.00
	Commodity Charge	\$0.6292		Electric Rate per kWh	\$0.14173
	Taxes & Fees	2.50%		Electric Fuel rate	\$0.0435
	Customer Chg	\$11.00		Electric Base rate	\$0.0982
	Average Life (years)	30		Electric Taxes & Fees	2.50%
	Appliance Therms /Total Therms	60.96%		Customer Chg	\$8.91
	EC Program Adm. Cost	\$0.19		Average Life in Yrs	30
IV.	New Customer Installation Cost	s			
	Service Line	\$318			
-	Development Main	\$500			
	Other	\$0			
	Meter	\$172			
		Total \$990			
V.	New Customer Admin. Cost \$/m	onth \$2.63			
L					*****************

FLORIDA PUBLIC UTILITIES COMPANY INDIANTOWN DIVISION

RIM Test - Results

Appliance Type

CNG - Refueling (1)

Gas Utility Rate - IndianTown Gas

Elec Utility Rate - Weighted Average

Building Type - Residential

	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
2014	\$245	\$340	\$66	\$651	\$340	\$44	\$19	\$4,502	\$4,904
2015	\$257	\$356	\$66	\$679	\$356	\$42	\$20	\$2	\$420
2016	\$270	\$373	\$66	\$709	\$373	\$41	\$21	\$2	\$436
2017	\$283	\$392	\$66	\$740	\$392	\$39	\$21	\$2	\$454
2018	\$296	\$410	\$66	\$773	\$410	\$38	\$22	\$2	\$472
2019	\$311	\$430	\$66	\$807	\$430	\$36	\$23	\$2	\$491
2020	\$326	\$451	\$66	\$843	\$451	\$35	\$23	\$2	\$511
2021	\$341	\$473	\$66	\$880	\$473	\$34	\$24	\$2	\$532
2022	\$358	\$496	\$66	\$919	\$496	\$33	\$25	\$2	\$555
2023	\$375	\$520	\$66	\$961	\$520	\$32	\$25	\$2	\$578
2024	\$393	\$545	\$66	\$1,004	\$545	\$30	\$26	\$2	\$603
2025	\$412	\$571	\$66	\$1,049	\$571	\$29	\$27	\$2	\$629
2026	\$432	\$599	\$66	\$1,097	\$599	\$28	\$28	\$2	\$657
2027	\$453	\$627	\$66	\$1,146	\$627	\$27	\$29	\$2	\$686
2028	\$475	\$658	\$66	\$1,199	\$658	\$26	\$30	\$2	\$716
2029	\$498	\$690	\$66	\$1,253	\$690	\$26	\$31	\$2	\$748
2030	\$522	\$723	\$66	\$1,311	\$723	\$25	\$32	\$2	\$781
2031	\$547	\$758	\$66	\$1,371	\$758	\$24	\$33	\$2	\$816
2032	\$574	\$794	\$66	\$1,434	\$794	\$23	\$34	\$2	\$853
2033	\$601	\$833	\$66	\$1,500	\$833	\$22	\$35	\$2	\$892
		Present Valu	e				Present Vali	le	
		of Benefits		\$14,646	-		of Costs		\$13,335
							Benefit/Co:	st	Manike pinea de mandre da Branda de Carace
							Ratio		1.10
							••••••••••••••••••••••••••••••••••••••		

Appliance Type CNG - Refueling (1)		Utility Rate - Weighted Average Building Type - Residential
Other Equipment Included in Analysis:	Water Heating	Tankiess (1), Cooking Equipment (1), Furnace (1), Clothes Drying (1)

Fuel Rate Escalator	4.83%	Depreciation Rate - Supply Main	3.20%
Gas Energy Charge Escalator	4.83%	Depreciation Rate - Development Main	3.20%
Gas Customer Charge Escalator	0.00%	Depreciation Rate - Service Line	3.90%
O&M/Inflation Escalator	3.19%	Depreciation Rate - Meter	5.00%

Table 1

	Revenue	- Energy Charg	je
1	2	3	2*3
Year	Therms	Base Rate	Total
			Charge
2014	609	\$0.4030	\$245
2015	609	\$0.4225	\$257
2016	609	\$0.4429	\$270
2017	609	\$0.4643	\$283
2018	609	\$0.4867	\$296
2019	609	\$0.5102	\$311
2020	609	\$0.5349	\$326
2021	609	\$0.5607	\$341
2022	609	\$0.5878	\$358
2023	609	\$0.6162	\$375
2024	609	\$0.6460	\$393
2025	609	\$0.6772	\$412
2026	609	\$0.7099	\$432
2027	609	\$0.7442	\$453
2028	609	\$0.7801	\$475
2029	609	\$0.8178	\$498
2030	609	\$0.8573	\$522
2031	609	\$0.8987	\$547
2032	609	\$0.9421	\$574
2033	609	\$0.9876	\$601

levenue	- Cost of	Gas	
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2014	609	\$0.5582	\$340
2015	609	\$0.5851	\$356
2016	609	\$0.6134	\$373
2017	609	\$0.6430	\$392
2018	609	\$0.6741	\$410
2019	609	\$0.7066	\$430
2020	609	\$0.7408	\$451
2021	609	\$0.7765	\$473
2022	609	\$0.8141	\$496
2023	609	\$0.8534	\$520
2024	609	\$0.8946	\$545
2025	609	\$0.9378	\$571
2026	609	\$0.9831	\$599
2027	609	\$1.0306	\$627
2028	609	\$1.0804	\$658
2029	609	\$1,1325	\$690
2030	609	\$1.1872	\$723
2031	609	\$1.2446	\$758
2032	609	\$1.3047	\$794
2033	609	\$1.3677	\$833

Associated Gas Distributors of Florida Residential Energy Conservation Program

Applia CNG -	Refueling	(1)			Building 1	Utilii ype - Lau	y Rate - Weight ge Commercial	ed Averag Hospitalit
able 2	Othe	er Equipment in	cluded in Analysis: Wa	ater Heating - Tankless (1), C	Cocking Equipment (1 Table 3), Fumace (1), Clothes Drying (1)	
Rever	ue - Custo	omer Char	qe		Gas Cost	S		
1	2	3	4	3*4	1	2	3	2*3
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Cutomer Charge	Year	Therms	Gas Supply Rate	Gas Supply Cost
2014	\$9.00	\$108.00	60.96%	\$66	2014	609	\$0.5582	\$340
2015	\$9.00	\$108.00	60.96%	\$66	2015	609	\$0.5851	\$356
2016	\$9.00	\$108.00	60.96%	\$ 66	2016	609	\$0.6134	\$373
2017	\$9.00	\$108.00	60.96%	\$66	2017	609	\$0.6430	\$392
2018	\$9.00	\$108.00	60,96%	\$66	2018	609	\$0.6741	\$410
2019	\$9.00	\$108.00	60.96%	\$66	2019	609	\$0.7066	\$430
020	\$9.00	\$108.00	60.96%	\$66	2020	609	\$0.7408	\$451
021	\$9.00	\$108.00	60.96%	\$66	2021	609	\$0.7765	\$473
022	\$9.00	\$108.00	60.96%	\$66	2022	609	\$0.8141	\$496
2023	\$9.00	\$108.00	60.96%	\$66	2023	609	\$0,8534	\$520
2024	\$9.00	\$108.00	60.96%	\$65	2024	609	\$0.8946	\$545
2025	\$9.00	\$108.00	60,96%	\$66	2025	609	\$0.9378	\$571
2026	\$9.00	\$108.00	60.96%	\$66	2026	609	\$0.9831	\$599
2027	\$9.00	\$108.00	60.96%	\$65	2027	609	\$1.0306	\$627
2028	\$9.00	\$108.00	60.96%	\$66	2028	609	\$1.0804	\$658
2029	\$9.00	\$108.00	60.96%	\$66	2029	609	\$1,1325	\$690
2030	\$9.00	\$108.00	60.96%	\$66	2030	609	\$1.1872	\$723
2031	\$9.00	\$108.00	60.96%	\$66	2031	609	\$1.2446	\$758
2032	\$9.00	\$108.00	60.96%	\$66	2032	609	\$1.3047	\$794
2033	\$9.00	\$108.00	60,96%	\$66	2033	609	\$1.3677	\$833

Appliance Type	Utility Rate - Weighted Average
CNG - Refueling (1)	Building Type - Large Commercial Hospitality
	M() (1) (1) To (1) (4) O (1) (1) Equipment (4) Equipment (4) O(4) or D (4) (4)

Other Equipment Included in Analysis: Water Heating - Tankless (1), Cooking Equipment (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	Service Line	Meter	Total	Cost of	Ratio of Therms	Investment
		Main			Investment	Debt	Consumed To	Carrying Cost
							Total	
2014	\$200	\$500	\$0	\$163	\$863	8.28%	60.96%	\$44
2015	\$194	\$484	\$0	\$155	\$833	8.28%	60.96%	\$42
2016	\$188	\$469	\$0	\$147	\$804	8.28%	60,96%	\$41
2017	\$182	\$454	\$0	\$140	\$776	8.28%	60.96%	\$39
2018	\$176	\$439	\$0	\$133	\$748	8.28%	60.96%	\$38
2019	\$170	\$425	\$0	\$126	\$721	8.28%	60.96%	\$36
2020	\$165	\$411	\$0	\$120	\$696	8.28%	60.96%	\$35
2021	\$160	\$398	\$0	\$114	\$672	8.28%	60.96%	\$34
2022	\$155	\$385	\$0	\$108	\$648	8.28%	60.96%	\$33
2023	\$150	\$373	\$0	\$103	\$626	8.28%	60.96%	\$32
2024	\$145	\$361	\$0	\$98	\$604	8.28%	60.96%	\$30
2025	\$140	\$349	\$0	\$93	\$582	8.28%	60.96%	\$29
2026	\$136	\$338	\$0	\$88	\$562	8.28%	60.96%	\$28
2027	\$132	\$327	\$0	\$84	\$543	8.28%	60.96%	\$27
2028	\$128	\$317	\$0	\$80	\$525	8.28%	60.96%	\$26
2029	\$124	\$307	\$0	\$76	\$507	8.28%	60.96%	\$26
2030	\$120	\$297	\$0	\$72	\$489	8.28%	60.96%	\$25
2031	\$116	\$287	\$0	\$68	\$471	8.28%	60.96%	\$24
2032	\$112	\$278	\$0	\$65	\$455	8.28%	60.96%	\$23
2033	\$108	\$269	\$0	\$62	\$439	8.28%	60.96%	\$22

Table 5

[Incre	emental Custon	ner Cosi	s		
1	2	3	4	5=3*4	6	8=6*4	5+8
				Annual		Annual	
				Ratio		Ratio	Total incremental
	Monthly		Ratio Therms To	Adm.	Annual	O&M	Adm. & O&M
Year	Adm. Cost	Annual Adm. Cost	Total Consumed	Cost	O&M Cost	Cost	Cost
2014	\$2.03	\$24	60.96%	\$14.63	\$7.33	4.5	\$19
2015	\$2.09	\$25	60.96%	\$15.24	\$7.56	4.6	\$20
2016	\$2.16	\$26	60.96%	\$15.85	\$7.81	4.8	\$21
2017	\$2.23	\$27	60.96%	\$16.46	\$8.05	4.9	\$21
2018	\$2.30	\$28	60,96%	\$17.07	\$8.31	5.1	\$22
2019	\$2.38	\$29	60.96%	\$17.68	\$8.58	5.2	\$23
2020	\$2.45	\$29	60.96%	\$17.68	\$8.85	5.4	\$23
2021	\$2.53	\$30	60.96%	\$18.29	\$9.13	5.6	\$24
2022	\$2.61	\$31	60.96%	\$18.90	\$9.42	5.7	\$25
2023	\$2.69	\$32	60.96%	\$19.51	\$9.72	5.9	\$25
2024	\$2.78	\$33	60.96%	\$20.12	\$10.03	6.1	\$26
2025	\$2.87	\$34	60.96%	\$20.72	\$10.35	6.3	\$27
2026	\$2.96	\$36	60.96%	\$21.94	\$10.68	6.5	\$28
2027	\$3.05	\$37	60,96%	\$22.55	\$11.03	6.7	\$29
2028	\$3.15	\$38	60.96%	\$23.16	\$11.38	6.9	\$30
2029	\$3.25	\$39	60.96%	\$23.77	\$11.74	7.2	\$31
2030	\$3.36	\$40	60.96%	\$24.38	\$12.11	7.4	\$32
2031	\$3.46	\$42	60.96%	\$25.60	\$12.50	7.6	\$33
2032	\$3.57	\$43	60.96%	\$26.21	\$12.90	7.9	\$34
2033	\$3.69	\$44	60.96%	\$26.82	\$13.31	8.1	\$35

									Gas l	Jtility Ra	ate - India
Appli	ance Type	:							Elec Uti	ility Rate	e - Weight
CNG	- Refueling	a (1)								Buildir	ng Type - I
	and the second	Otl	ner Equipment Incl	uded in Analysis:	Water Heating	- Tankless (1), C	ooking Equipm	ent (1), Fumace	(1), Clothes	Drying (1)	
		Benefits	3				(Costs			
Year	Avoided Electric KWH/KW Cost	Gas Rebate	Avolded 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
	Table 1								Table 2	Table 3	Table 4
1	3	4	5	3 thru 5	7	8	9	10	11	12	13
2014	\$647	\$4,500	\$900	\$6,047	\$31,140	(\$30,180)	\$1,795	\$431	\$348	\$252	\$67
2015	\$672	\$0	\$929	\$1,601	\$0	\$0	\$0	\$444	\$365	\$264	\$67
2016	\$699	\$0	\$958	\$1,657	\$0	\$0	\$0	\$459	\$383	\$276	\$67
2017	\$726	\$0	\$989	\$1,715	\$0	\$0	\$0	\$473	\$401	\$290	\$67
2018	\$755	\$0	\$1,020	\$1,775	\$0	\$0	\$0	\$488	\$421	\$304	\$67
2019	\$784	\$0	\$1,053	\$1,837	\$0	\$0	\$0	\$504	\$441	\$318	\$67
2020	\$815	\$0	\$1,087	\$1,901	\$0	\$0	\$0	\$520	\$462	\$334	\$67
2021	\$847	\$0	\$1,121	\$1,968	\$0	\$0	\$0	\$537	\$485	\$350	\$67
2022	\$880	\$0	\$1,157	\$2,037	\$0	\$0	\$0	\$554	\$508	\$367	\$67
2023	\$915	\$0	\$1,194	\$2,108	\$0	\$0	\$0	\$571	\$533	\$385	\$67
2024	\$950	\$0	\$1,232	\$2,182	\$0	\$0	\$0	\$590	\$558	\$403	\$67
2025	\$988	\$0	\$1,271	\$2,259	\$0	\$0	\$0	\$608	\$585	\$423	\$67
2026	\$1,026	\$0	\$1,312	\$2,338	\$0	\$0	\$0	\$628	\$614	\$443	\$67
2027	\$1,067	\$0	\$1,354	\$2,420	\$0	\$0	\$0	\$648	\$643	\$464	\$67
2028	\$1,108	\$0	\$1,397	\$2,505	\$0	\$0	\$0	\$669	\$674	\$487	\$67
2029	\$1,152	\$0	\$1,441	\$2,593	\$0	\$0	\$0 \$7	\$690	\$707	\$510	\$67
2030	\$1,197	\$0 \$0	\$1,487	\$2,684	\$0	\$0 #0	\$0	\$712	\$741	\$535 ¢cc1	Φ0/ 007
2031	\$1,244	\$0	\$1,535	\$2,779	\$0	\$U #0	<u></u> \$ህ ድር	\$735 \$750	Φ/// Φ01/	0000 0000	φ0/ \$67
2032	\$1,293	\$U \$0	\$1,584	\$2,8// \$2,079	\$0	φU 60	φU ¢n	\$790 \$790	4014 405/	0000 \$616	407 \$67
2033	\$1,343		\$1,034	92,910	<u>\$0</u>	φU	φυ	\$10Z	φ 004		401
			Present Value								Present Va
			of Benefits	\$36,348	-						of Costs
			-		-					0	10
										Benefit	/Cost

Associated Gas Distributors of Florida

Residential Energy Conservation Program

CNG - Refueling (1)

ent Included in Analysis:	Water Heating - Tankies	is (1), Co	oking Equipment (1),	Furnace (1), Clothe	s Drying (1)	
KWH/KW Cost		ſ		Table 2 - Ga	s Fuel Charge	e

		Oth	er Equipment	Included in A	nalysis:	Water Heating - Ta
		Table 1	Electric K	WH/KW C	ost	
Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthly Demand kW	Tax Rate	Electric Cost
Α	В	С	D	E	F	(B*C+12*D*E)*(1+F)
2014	\$0.1417	4,454	\$0.00	0.00	2.5%	\$647
2015	\$0.1473	4,454	\$0.00	0.00	2.5%	\$672
2016	\$0.1531	4,454	\$0.00	0.00	2.5%	\$699
2017	\$0.1591	4,454	\$0.00	0.00	2.5%	\$726
2018	\$0.1653	4,454	\$0.00	0.00	2.5%	\$755
2019	\$0.1718	4,454	\$0.00	0.00	2.5%	\$784
2020	\$0.1785	4,454	\$0.00	0.00	2,5%	\$815
2021	\$0.1855	4,454	\$0.00	0.00	2.5%	\$847
2022	\$0.1928	4,454	\$0.00	0.00	2.5%	\$880
2023	\$0.2003	4,454	\$0.00	0.00	2.5%	\$915
2024	\$0.2082	4,454	\$0.00	0.00	2.5%	\$950
2025	\$0.2163	4,454	\$0.00	0.00	2.5%	\$988
2026	\$0.2248	4,454	\$0.00	0.00	2.5%	\$1,026
2027	\$0.2336	4,454	\$0.00	0.00	2.5%	\$1,067
2028	\$0.2428	4,454	\$0.00	0.00	2.5%	\$1,108
2029	\$0.2523	4,454	\$0.00	0.00	2.5%	\$1,152
2030	\$0.2622	4,454	\$0.00	0.00	2.5%	\$1,197
2031	\$0.2725	4,454	\$0.00	0.00	2.5%	\$1,244
2032	\$0.2832	4,454	\$0.00	0.00	2.5%	\$1,293
2033	\$0,2943	4,454	\$0.00	0.00	2.5%	\$1,343

	Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
ĺ	A	В	C	D	B*C *(1+D)
	2014	\$0.5582	609	2.5%	\$348
	2015	\$0.5851	609	2.5%	\$365
	2016	\$0.6134	609	2.5%	\$383
	2017	\$0.6430	609	2.5%	\$401
	2018	\$0.6741	609	2.5%	\$421
	2019	\$0.7066	609	2.5%	\$441
	2020	\$0,7408	609	2.5%	\$462
	2021	\$0.7765	609	2.5%	\$485
	2022	\$0.8141	609	2.5%	\$508
	2023	\$0.8534	609	2.5%	\$533
	2024	\$0.8946	609	2.5%	\$558
	2025	\$0.9378	609	2.5%	\$585
	2026	\$0.9831	609	2.5%	\$614
	2027	\$1.0306	609	2.5%	\$643
	2028	\$1.0804	609	2.5%	\$674
	2029	\$1.1325	609	2.5%	\$707
	2030	\$1.1872	609	2.5%	\$741
	2031	\$1.2446	609	2.5%	\$777
	2032	\$1.3047	609	2.5%	\$814
	2033	\$1.3677	609	2.5%	\$854

	Table 3 - Gas Energy Charge Year Rate Per Therm Annual Therms Tax Rate Gas Cost A B C D B*C *(1+D) 2014 \$0.4030 609 2.5% \$252 2015 \$0.4225 609 2.5% \$264 2016 \$0.4429 609 2.5% \$276 2017 \$0.4643 609 2.5% \$290								
Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost					
Α	В	С	D	B*C *(1+D)					
2014	\$0.4030	609	2.5%	\$252					
2015	\$0.4225	60 9	2.5%	\$264					
2016	\$0.4429	609	2.5%	\$276					
2017	\$0.4643	609	2.5%	\$290					
2018	\$0.4867	609	2.5%	\$304					
2019	\$0.5102	609	2.5%	\$318					
2020	\$0.5349	609	2.5%	\$334					
2021	\$0.5607	609	2.5%	\$350					
2022	\$0.5878	609	2.5%	\$367					
2023	\$0.6162	609	2.5%	\$385					
2024	\$0,6460	609	2.5%	\$403					
2025	\$0.6772	609	2.5%	\$423					
2026	\$0.7099	609	2.5%	\$443					
2027	\$0.7442	609	2.5%	\$464					
2028	\$0.7801	609	2.5%	\$487					
2029	\$0.8178	609	2.5%	\$510					
2030	\$0.8573	609	2.5%	\$535					
2031	\$0.8987	609	2.5%	\$561					
2032	\$0.9421	609	2.5%	\$588					
2033	\$0.9876	609	2.5%	\$616					

Γ			Table 4 - Gas Custome	r Charge		
	Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge
ſ	A	В	С	D	Е	C*D*(1+E)
Ī	2014	\$9.00	\$108.00	60.96%	2.5%	\$67
	2015	\$9.00	\$108.00	60.96%	2.5%	\$67
	2016	\$9.00	\$108.00	60.96%	2.5%	\$67
	2017	\$9.00	\$108.00	60.96%	2.5%	\$67
	2018	\$9.00	\$108.00	60.96%	2.5%	\$67
	2019	\$9.00	\$108.00	60.96%	2.5%	\$67
	2020	\$9.00	\$108.00	60.96%	2.5%	\$67
ļ	2021	\$9.00	\$108.00	60.96%	2.5%	\$67
	2022	\$9.00	\$108.00	60.96%	2,5%	\$67
	2023	\$9.00	\$108.00	60.96%	2.5%	\$67
1	2024	\$9.00	\$108.00	60.96%	2.5%	\$67
	2025	\$9.00	\$108.00	60.96%	2.5%	\$67
	2026	\$9,00	\$108.00	60.96%	2.5%	\$67
	2027	\$9.00	\$108.00	60.96%	2.5%	\$67
	2028	\$9.00	\$108.00	60.96%	2,5%	\$67
	2029	\$9,00	\$108.00	60.96%	2.5%	\$67
	2030	\$9.00	\$108.00	60.96%	2.5%	\$67
	2031	\$9.00	\$108.00	60.96%	2.5%	\$67
	2032	\$9.00	\$108.00	60.96%	2.5%	\$67
	2033	\$9.00	\$108.00	60.96%	2.5%	\$67

Gas:	CNG - Refueling (1)		Elec:	CNG - Refueling (1)	
Year:	2014				
CO2:	3.04 tonnes CO2/year		CO2:	3.19 tonnes CO2/year	
Allowance	: \$4,500		Rate:	Weighted Average	
Gas Utility	: IndianTown Gas		Bldg:	Residential	
I.	Installed Cost Data		VI.	Electric Cost Data	
	Equipment	\$31,140		Equipment	\$28,980
	Installation	\$1,795		Installation	\$1,200
	Total Customer Cost	\$32,935		Breaker and Wiring Savings	\$0
				Total Customer Cost	\$30,180
	Replacement Installation	\$1,200			
	Total Replacement (incl Equip)	\$32,340			
	Utility Rebate	\$4,500			
11.	Operating Data				
	Therms Consumed	609	VII.	Energy Conserved Data	
	Total Building Therms	999		Monthly Demand kW	0.00
	O&M (excluding energy)	\$431		Annual kWh	4,454
				O&M (excluding energy)	\$900
HI.	Rates and Charges				
	ECCR	\$0.0247	VIII.	Electric Rates and Charges	
	Distribution Charge	\$0.3784		Electric Rate per kW	\$0.00
	Commodity Charge	\$0.5582		Electric Rate per kWh	\$0.14173
	Taxes & Fees	2.50%		Electric Fuel rate	\$0.0435
	Customer Chg	\$9.00		Electric Base rate	\$0.0982
	Average Life (years)	30		Electric Taxes & Fees	2.50%
	Appliance Therms /Total Therms	60.96%		Customer Chg	\$8.91
	EC Program Adm. Cost	\$1.68		Average Life in Yrs	30
IV.	New Customer Installation Costs	s			
	Service Line	\$200			
	Development Main	\$500			
	Other	\$0			
	Meter	\$163			
		Total \$863			
V.	New Customer Admin. Cost \$/m	onth \$2.03			

FLORIDA DIVISION OF CHESAPEAKE UTILITIES CORP

RIM Test - Results

Appliance Type

CNG - Refueling (1)

Gas Utility Rate - CPK Central FL Gas Elec Utility Rate - Weighted Average

Building Type - Residential

	Incremental Revenue Energy	Incremental Revenue	Incremental Revenue Customer	Total Gas	Gas Supply	Investment Carrying	Incremental Customer	Program Cost	Total Costs
	Table 1	Toble 1A	Table 2	nevenue	Table 3	Table 4	Table 5	r rogram ooor	
				O three A	- I able 5	7		0	6 thru 9
1	2	3	4	2 1110 4	<u> </u>	1	0 1 k C Ø	\$ 500	\$5.180
2014	\$243	\$928 \$	\$250 \$	φ1,028 	02CQ	\$110 \$111	φ0 4	ψ4,000	\$0,100 \$700
2015	\$255	\$554	\$256	\$1,065	\$554	\$114	\$35	\$0	\$702
2016	\$267	\$580	\$256	\$1,104	\$580	\$110	\$36	\$0	\$726
2017	\$280	\$608	\$256	\$1,145	\$608	\$106	\$37	\$0	\$751
2018	\$294	\$638	\$256	\$1,188	\$638	\$102	\$38	\$0	\$779
2019	\$308	\$669	\$256	\$1,233	\$669	\$98	\$39	\$0	\$807
2020	\$323	\$701	\$256	\$1,280	\$701	\$95	\$41	\$0	\$837
2021	\$338	\$735	\$256	\$1,329	\$735	\$92	\$42	\$0	\$869
2022	\$355	\$770	\$256	\$1,381	\$770	\$88	\$43	\$0	\$902
2023	\$372	\$807	\$256	\$1,436	\$807	\$85	\$44	\$0	\$937
2024	\$390	\$846	\$256	\$1,493	\$846	\$82	\$46	\$0	\$975
2025	\$409	\$887	\$256	\$1,552	\$887	\$79	\$47	\$0	\$1,014
2026	\$428	\$930	\$256	\$1,615	\$930	\$76	\$49	\$0	\$1,056
2027	\$449	\$975	\$256	\$1,681	\$975	\$74	\$51	\$0	\$1,100
2028	\$471	\$1,022	\$256	\$1,749	\$1,022	\$71	\$52	\$0	\$1,146
2029	\$494	\$1,072	\$256	\$1,821	\$1,072	\$69	\$54	\$0	\$1,194
2030	\$517	\$1,123	\$256	\$1,897	\$1,123	\$66	\$56	\$0	\$1,245
2031	\$542	\$1,178	\$256	\$1,976	\$1,178	\$64	\$58	\$0	\$1,299
2032	\$569	\$1,234	\$256	\$2,059	\$1,234	\$61	\$59	\$0	\$1,355
2033	\$596	\$1,294	\$256	\$2,146	\$1,294	\$59	\$61	\$0	\$1,414
		Procent Valu	c				Present Val	ue	
		of Benefits	Υ.	\$21,861			of Costs		\$18,835
					-		1		
							Benefit/Co Ratio	st	1.16

Appliance Type	Utility Rate - Weighted Average
CNG - Refueling (1)	Building Type - Residential
Other Equipment Included in Analysis;	Water Heating - Tankless (1), Cooking Equipment (1), Fumace (1), Clothes Drying (1)

Fuel Rate Escalator	4.83%	Depreciation Rate - Supply Main	3.30%
Gas Energy Charge Escalator	4.83%	Depreciation Rate - Development Main	3.30%
Gas Customer Charge Escalator	0.00%	Depreciation Rate - Service Line	3.60%
O&M/Inflation Escalator	3.19%	Depreciation Rate - Meter	4.00%

	Revenue	- Energy Charg	je	Re
1	2	3	2*3	
Year	Therms	Base Rate	Total	
			Charge	
2014	609	\$0.3995	\$243	
2015	609	\$0.4188	\$255	
2016	609	\$0.4391	\$267	
2017	609	\$0.4603	\$280	
2018	609	\$0.4825	\$294	
2019	609	\$0.5058	\$308	
2020	609	\$0.5302	\$323	
2021	609	\$0.5558	\$338	
2022	609	\$0.5827	\$355	
2023	609	\$0.6108	\$372	
2024	609	\$0.6403	\$390	
2025	609	\$0.6713	\$409	
2026	609	\$0.7037	\$428	
2027	609	\$0.7377	\$449	
2028	609	\$0.7733	\$471	
2029	609	\$0.8106	\$494	
2030	609	\$0.8498	\$517	
2031	609	\$0.8908	\$542	
2032	609	\$0.9339	\$569	
2033	609	\$0.9790	\$596	

levenue	- Cost of	Gas	
1	2	3	2*3
Year	Therms	Fuel Rate	Total Charge
2014	609	\$0.8674	\$528
2015	609	\$0,9093	\$554
2016	609	\$0.9532	\$580
2017	609	\$0.9992	\$608
2018	609	\$1.0475	\$638
2019	609	\$1.0981	\$669
2020	609	\$1.1511	\$701
2021	609	\$1.2067	\$735
2022	609	\$1.2650	\$770
2023	609	\$1.3261	\$807
2024	609	\$1.3902	\$846
2025	609	\$1.4573	\$887
2026	609	\$1.5277	\$930
2027	609	\$1.6015	\$975
2028	609	\$1.6788	\$1,022
2029	609	\$1.7599	\$1,072
2030	609	\$1.8449	\$1,123
2031	609	\$1,9340	\$1,178
2032	609	\$2.0274	\$1,234
2033	609	\$2,1254	\$1,294

Associated Gas Distributors of Florida **Residential Energy Conservation Program**

Applia CNG -	nce Type Refueling	(1)		[B	uilding 1	Utilii 'ype - Lai	iy Rate - Weight rge Commercial	ed Average Hospitality
	Othe	ar Equipment In	cluded in Analysis: Wa	ater Heating - Tankless	1), Cooking	Equipment (1); Fumace (1), Clothes Drying (1)	
Table 2	2					Table 3		·····	
Rever	nue - Custo	omer Charg	je		ç	Gas Cost	S		
1	2	3	4	3*4		1	2	3	2*3
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Culomer Charge		Year	Therms	Gas Supply Rate	Gas Supply Cost
2014	\$35.04	\$420.48	60,96%	\$256		2014	609	\$0.8674	\$528
2015	\$35.04	\$420.48	60,96%	\$256		2015	609	\$0.9093	\$554
2016	\$35.04	\$420.48	60.96%	\$256		2016	609	\$0.9532	\$580
2017	\$35.04	\$420.48	60.96%	\$256		2017	609	\$0.9992	\$608
2018	\$35.04	\$420,48	60.96%	\$256		2018	609	\$1.0475	\$638
2019	\$35.04	\$420.48	60.96%	\$256		2019	609	\$1.0981	\$669
2020	\$35.04	\$420.48	60.96%	\$256		2020	609	\$1.1511	\$701
2021	\$35.04	\$420.48	60.96%	\$256		2021	609	\$1.2067	\$735
2022	\$35.04	\$420.48	60.96%	\$256		2022	609	\$1.2650	\$770
2023	\$35.04	\$420.48	60.96%	\$256		2023	609	\$1.3261	\$807
2024	\$35.04	\$420.48	60.96%	\$256		2024	609	\$1.3902	\$846
2025	\$35.04	\$420.48	60.96%	\$256		2025	609	\$1.4573	\$887
2026	\$35.04	\$420.48	60.96%	\$256		2026	609	\$1.5277	\$930
2027	\$35.04	\$420.48	60.96%	\$256		2027	609	\$1.6015	\$975
2028	\$35.04	\$420.48	60.96%	\$256		2028	609	\$1.6788	\$1,022
2029	\$35.04	\$420.48	60.96%	\$256		2029	609	\$1.7599	\$1,072
2030	\$35.04	\$420.48	60.96%	\$256		2030	609	\$1.8449	\$1,123
2031	\$35.04	\$420.48	60.96%	\$256		2031	609	\$1.9340	\$1,178
2032	\$35.04	\$420.48	60.96%	\$256		2032	609	\$2.0274	\$1,234
2033	\$35.04	\$420.48	60.96%	\$256		2033	609	\$2.1254	\$1,294

Appliance Type	Utility Rate - Weighted Average
CNG - Refueling (1)	Building Type - Large Commercial Hospitality

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

Accessed.				
To	ы	a	А	
10	6.91	10	÷÷÷	

Investment Carrying Costs											
1	2	3	4	5	6	7	8	6*7*8			
Year	Supply Main	Development	Service Line	Meter	Total	Cost of	Ratio of Therms	Investment			
		Main			Investmen	Debt	Consumed To	Carrying			
					t		Total	Cost			
2014	\$1,275	\$500	\$0	\$1,197	\$2,972	6.52%	60.96%	\$118			
2015	\$1,233	\$484	\$0	\$1,149	\$2,866	6.52%	60.96%	\$114			
2016	\$1,192	\$468	\$0	\$1,103	\$2,763	6.52%	60.96%	\$1 10			
2017	\$1,153	\$453	\$0	\$1,059	\$2,665	6.52%	60.96%	\$106			
2018	\$1,115	\$438	\$0	\$1,017	\$2,570	6.52%	60.96%	\$102			
2019	\$1,078	\$424	\$0	\$976	\$2,478	6.52%	60.96%	\$98			
2020	\$1,042	\$410	\$0	\$937	\$2,389	6.52%	60.96%	\$95			
2021	\$1,008	\$396	\$0	\$900	\$2,304	6.52%	60.96%	\$92			
2022	\$975	\$383	\$0	\$864	\$2,222	6.52%	60.96%	\$88			
2023	\$943	\$370	\$0	\$829	\$2,142	6.52%	60.96%	\$85			
2024	\$912	\$358	\$0	\$796	\$2,066	6.52%	60.96%	\$82			
2025	\$882	\$346	\$0	\$764	\$1,992	6.52%	60.96%	\$79			
2026	\$853	\$335	\$0	\$733	\$1,921	6.52%	60.96%	\$76			
2027	\$825	\$324	\$0	\$704	\$1,853	6.52%	60.96%	\$74			
2028	\$798	\$313	\$0	\$676	\$1,787	6.52%	60.96%	\$71			
2029	\$772	\$303	\$0	\$649	\$1,724	6.52%	60.96%	\$69			
2030	\$747	\$293	\$0	\$623	\$1,663	6.52%	60.96%	\$66			
2031	\$722	\$283	\$0	\$598	\$1,603	6.52%	60.96%	\$64			
2032	\$698	\$274	\$0	\$574	\$1,546	6.52%	60.96%	\$61			
2033	\$675	\$265	\$0	\$551	\$1,491	6.52%	60.96%	\$59			

Table 5

Incremental Customer Costs									
1	2	3	4	5=3*4	6	8=6*4	5+8		
	, , , , , , , , , , , , , , , , , , ,			Annual		Annual			
				Ratio		Ratio	Total Incremental		
	Monthly	Annual Adm.	Ratio Therms To	Adm.	Annual	O&M	Adm. & O&M		
Year	Adm. Cost	Cost	Total Consumed	Cost	O&M Cost	Cost	Cost		
2014	\$2.91	\$35	60.96%	\$21.33	\$20.26	12.3	\$34		
2015	\$3.00	\$36	60.96%	\$21.94	\$20.91	12.7	\$35		
2016	\$3.10	\$37	60.96%	\$22.55	\$21.57	13.2	\$36		
2017	\$3.20	\$38	60.96%	\$23.16	\$22.26	13.6	\$37		
2018	\$3.30	\$40	60.96%	\$24.38	\$22.97	14.0	\$38		
2019	\$3.40	\$41	60.96%	\$24.99	\$23.70	14.4	\$39		
2020	\$3.51	\$42	60.96%	\$25.60	\$24.46	14.9	\$41		
2021	\$3.63	\$44	60.96%	\$26.82	\$25.24	15.4	\$42		
2022	\$3.74	\$45	60.96%	\$27.43	\$26.05	15.9	\$43		
2023	\$3.86	\$46	60.96%	\$28.04	\$26.88	16.4	\$44		
2024	\$3.98	\$48	60.96%	\$29.26	\$27.73	16.9	\$46		
2025	\$4.11	\$49	60.96%	\$29.87	\$28.62	17.4	\$47		
2026	\$4.24	\$51	60.96%	\$31.09	\$29.53	18.0	\$49		
2027	\$4.38	\$53	60.96%	\$32.31	\$30.47	18.6	\$51		
2028	\$4.52	\$54	60,96%	\$32.92	\$31.45	19.2	\$52		
2029	\$4.66	\$56	60.96%	\$34.14	\$32.45	19.8	\$54		
2030	\$4.81	\$58	60.96%	\$35.35	\$33.48	20.4	\$56		
2031	\$4.96	\$60	60. 96 %	\$36.57	\$34.55	21.1	\$58		
2032	\$5.12	\$61	60.96%	\$37.18	\$35.65	21.7	\$59		
2033	\$5.28	\$63	60,96%	\$38.40	\$36.79	22.4	\$61		

	Participants Test - Results											
					_				Gas Utili	ty Rate -	CPK Cent	tral FL Gas
Appl	iance Type	*							Elec Uti	lity Rate	- Weighte	ed Average
CNG	- Refueling	a (1)								Buildi	ng Type - I	Residential
		<u>יי א</u> נ וות	er Faulament In	cluded in Analysis	J Water Heating	- Tankless (1), C	ookina Faulom	ent (1). Furnaci	e (1). Clothes	Drvina (1)	<u> </u>	
	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 2014	3 \$647	4 \$4,500	5 \$900	3 thru 5 \$6,047	7 \$31,140	8 (\$30,180)	9 \$1,795	10 \$444	11 \$541	12 \$249	13 \$263	7 thru 13 \$4,252
2015 2016	\$672 \$699	\$0 \$0	\$929 \$958	\$1,601 \$1,657	\$0 \$0	\$0 \$0	\$0 \$0	\$458 \$472	\$567 \$595	\$261 \$274	\$263 \$263	\$1,549 \$1,604
2017 2018	\$726 \$755	\$0 \$0	\$989 \$1,020	\$1,715 \$1,775	\$0 \$0	\$0 \$0	\$0 \$0	\$487 \$503	\$624 \$654	\$287 \$301	\$263 \$263	\$1,661 \$1,721
2019	\$784 \$815 \$847	\$0 \$0 \$0	\$1,053 \$1,087 \$1,121	\$1,837 \$1,901 \$1,968	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$519 \$536 \$553	\$685 \$718 \$753	\$316 \$331 \$347	\$263 \$263 \$263	\$1,783 \$1,848 \$1,915
2022	\$880 \$915	\$0 \$0	\$1,157 \$1,194	\$2,037 \$2,108	\$0 \$0	\$0 \$0	\$0 \$0	\$570 \$589	\$789 \$828	\$364 \$381	\$263 \$263	\$1,986 \$2,060
2024 2025	\$950 \$988	\$0 \$0	\$1,232 \$1,271	\$2,182 \$2,259	\$0 \$0	\$0 \$0	\$0 \$0	\$607 \$627	\$868 \$909	\$400 \$419	\$263 \$263	\$2,137 \$2,218
2026	\$ \$1,026 7 \$1,067 8 \$1.108	\$0 \$0 \$0	\$1,312 \$1,354 \$1,397	\$2,338 \$2,420 \$2,505	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$647 \$667 \$689	\$953 \$999 \$1.048	\$439 \$460 \$483	\$263 \$263 \$263	\$2,302 \$2,390 \$2.482
2029	9 \$1,152 9 \$1,197	\$0 \$0	\$1,441 \$1,487	\$2,593 \$2,684	\$0 \$0	\$0 \$0	\$0 \$0	\$711 \$733	\$1,098 \$1,151	\$506 \$530	\$263 \$263	\$2,578 \$2,678
203 203 203	1 \$1,244 2 \$1,293 8 \$1,343	\$0 \$0 \$0	\$1,535 \$1,584 \$1 634	\$2,779 \$2,877 \$2,978	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$757 \$781 \$806	\$1,207 \$1,265 \$1.326	\$556 \$583 \$611	\$263 \$263 \$263	\$2,782 \$2,892 \$3,006
2000	L 01,010	Ψ0	Present Valu	e \$36.348	_						Present Val	ue \$34.036
			or denemos	490,040	-							
										Benefit Ratio	/Cost	1.07

Associated Gas Distributors of Florida

Residential Energy Conservation Program

CNG - Refueling (1)

Other Equipment Included in Analysis: Water Heating - Tankless (1), Cooking Equipment (1), Furnace (1), Clothes Drying (1)
e 1 - Electric KWH/KW Cost
Table 2 - Gas Fuel Charge

Table 1 - Electric KWH/KW Cost							
Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthly Demand kW	Tax Rate	Electric Cost	
A	В	С	D	E	F	(B*C+12*D*E)*(1+F)	
2014	\$0.1417	4,454	\$0.00	0.00	2.5%	\$647	
2015	\$0.1473	4,454	\$0.00	0.00	2.5%	\$672	
2016	\$0.1531	4,454	\$0.00	0.00	2.5%	\$699	
2017	\$0.1591	4,454	\$0.00	0.00	2.5%	\$726	
2018	\$0.1653	4,454	\$0.00	0.00	2.5%	\$755	
2019	\$0.1718	4,454	\$0.00	0.00	2.5%	\$784	
2020	\$0.1785	4,454	\$0.00	0.00	2.5%	\$815	
2021	\$0.1855	4,454	\$0.00	0.00	2.5%	\$847	
2022	\$0.1928	4,454	\$0.00	0.00	2.5%	\$880	
2023	\$0.2003	4,454	\$0.00	0.00	2.5%	\$915	
2024	\$0.2082	4,454	\$0.00	0.00	2.5%	\$950	
2025	\$0.2163	4,454	\$0.00	0.00	2.5%	\$988	
2026	\$0.2248	4,454	\$0.00	0.00	2.5%	\$1,026	
2027	\$0.2336	4,454	\$0.00	0.00	2.5%	\$1,067	
2028	\$0.2428	4,454	\$0.00	0.00	2,5%	\$1,108	
2029	\$0.2523	4,454	\$0.00	0.00	2.5%	\$1,152	
2030	\$0.2622	4,454	\$0.00	0.00	2.5%	\$1,197	
2031	\$0.2725	4,454	\$0.00	0.00	2.5%	\$1,244	
2032	\$0.2832	4,454	\$0.00	0.00	2,5%	\$1,293	
2033	\$0.2943	4,454	\$0.00	0.00	2.5%	\$1,343	

Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
A	В	С	D	B*C *(1+D)
2014	\$0.8674	609	2.5%	\$541
2015	\$0.9093	609	2.5%	\$567
2016	\$0.9532	609	2.5%	\$595
2017	\$0.9992	609	2.5%	\$624
2018	\$1.0475	609	2.5%	\$654
2019	\$1.0981	609	2.5%	\$685
2020	\$1.1511	609	2.5%	\$718
2021	\$1.2067	609	2.5%	\$753
2022	\$1.2650	609	2.5%	\$789
2023	\$1.3261	609	2.5%	\$828
2024	\$1.3902	609	2.5%	\$868
2025	\$1.4573	609	2.5%	\$909
2026	\$1.5277	609	2.5%	\$953
2027	\$1.6015	609	2.5%	\$999
2028	\$1.6788	609	2.5%	\$1,048
2029	\$1.7599	609	2.5%	\$1,098
2030	\$1.8449	609	2.5%	\$1,151
2031	\$1.9340	609	2.5%	\$1,207
2032	\$2.0274	609	2.5%	\$1,265
2033	\$2.1254	609	2.5%	\$1,326

	Table 3 -	Gas Ene	rgy Charg	e
Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost
A	В	С	D	B*C *(1+D)
2014	\$0.3995	609	2.5%	\$249
2015	\$0.4188	609	2,5%	\$261
2016	\$0.4391	609	2,5%	\$274
2017	\$0.4603	609	2.5%	\$287
2018	\$0.4825	609	2.5%	\$301
2019	\$0.5058	609	2.5%	\$316
2020	\$0.5302	609	2.5%	\$331
2021	\$0.5558	609	2.5%	\$347
2022	\$0.5827	609	2.5%	\$364
2023	\$0.6108	609	2,5%	\$381
2024	\$0.6403	609	2,5%	\$400
2025	\$0.6713	609	2.5%	\$419
2026	\$0.7037	609	2.5%	\$439
2027	\$0.7377	609	2.5%	\$460
2028	\$0.7733	609	2.5%	\$483
2029	\$0.8106	609	2.5%	\$506
2030	\$0.8498	609	2.5%	\$530
2031	\$0.8908	609	2.5%	\$556
2032	\$0.9339	609	2.5%	\$583
2033	\$0.9790	609	2.5%	\$611

l			Table 4 - Gas Custome	r Charge		
	Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge
	A	В	С	D	Е	C*D*(1+E)
ľ	2014	\$35.04	\$420.48	60.96%	2.5%	\$263
	2015	\$35.04	\$420.48	60.96%	2.5%	\$263
	2016	\$35.04	\$420.48	60.96%	2.5%	\$263
	2017	\$35.04	\$420,48	60.96%	2.5%	\$263
	2018	\$35.04	\$420.48	60.96%	2.5%	\$263
	2019	\$35,04	\$420,48	60.96%	2.5%	\$263
	2020	\$35.04	\$420,48	60.96%	2.5%	\$263
	2021	\$35.04	\$420.48	60.96%	2.5%	\$263
The state of the s	2022	\$35.04	\$420,48	60.96%	2.5%	\$263
The second se	2023	\$35.04	\$420,48	60.96%	2.5%	\$263
	2024	\$35.04	\$420.48	60.96%	2.5%	\$263
	2025	\$35.04	\$420.48	60.96%	2.5%	\$263
	2026	\$35.04	\$420.48	60.96%	2.5%	\$263
	2027	\$35.04	\$420.48	60.96%	2.5%	\$263
the second se	2028	\$35.04	\$420.48	60.96%	2.5%	\$263
Contraction of the local distance of the loc	2029	\$35.04	\$420.48	60.96%	2.5%	\$263
	2030	\$35.04	\$420.48	60.96%	2.5%	\$263
	2031	\$35.04	\$420.48	60.96%	2.5%	\$263
	2032	\$35.04	\$420.48	60.96%	2.5%	\$263
	2033	\$35.04	\$420.48	60.96%	2.5%	\$263

Gas:	CNG - Refueling (1)		Elec:	CNG - Refueling (1)	
Year: CO2:	2014 3.04 tonnes CO2/year		CO2:	3.19 tonnes CO2/year	
Allowance:	\$4 500		Bate:	Weighted Average	
Gas Utility:	CPK Central FL Gas		Bldg:	Residential	
l. –	Installed Cost Data		VI.	Electric Cost Data	
	Equipment	\$31,140		Equipment	\$28,980
	Installation	\$1,795		Installation	\$1,200
	Total Customer Cost	\$32,935		Breaker and Wiring Savings	\$0
				Total Customer Cost	\$30,180
	Replacement Installation	\$1,200			
	Total Replacement (incl Equip)	\$32,340			
	Utility Rebate	\$4,500			
11.	Operating Data				
	Therms Consumed	609	VII.	Energy Conserved Data	
	Total Building Therms	999		Monthly Demand kW	0.00
	O&M (excluding energy)	\$444		Annual kWh	4,454
				O&M (excluding energy)	\$900
111,	Rates and Charges	.			
	ECCR	\$0.0799	VIII.	Electric Rates and Charges	* ~ ~~
	Distribution Charge	\$0.3196		Electric Hate per KW	\$0.00
	Commodity Charge	\$0.8674		Electric Rate per kWh	\$0.14173
	laxes & Fees	2.50%		Electric Fuel rate	\$0.0435
	Customer Chg	\$35.04		Electric Base rate	\$0.0982
	Average Life (years)	30		Electric Taxes & Fees	2.50%
	Appliance Therms /Total Therms	60.96%		Customer Chg	\$8.91
	EC Program Adm. Cost	\$0.28		Average Life in Yrs	30
IV.	New Customer Installation Costs	s			
	Service Line	\$1,275			
	Development Main	\$500			
	Other	\$0			
	Meter	\$1,197			
		Total \$2,972			
<u>v.</u>	New Customer Admin. Cost \$/m	onth \$2.91			1

SEBRING GAS SYSTEM

RIM Test - Results

Appliance Type

CNG - Refueling (1)

Gas Utility Rate - Sebring Gas

Elec Utility Rate - Weighted Average

Building Type - Residential

	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
2014	\$337	\$340	\$88	\$765	\$340	\$66	\$23	\$4,504	\$4,933
2015	\$354	\$357	\$88	\$798 \$357 \$64 \$24 \$4		\$4	\$448		
2016	\$371	\$374	\$88	\$832	\$374	\$62	\$25	\$4	\$464
2017	\$389	\$392	\$88	\$868	\$392	\$60	\$26	\$4	\$481
2018	\$407	\$411	\$88	\$906	\$411	\$58	\$27	\$4	\$499
2019	\$427	\$431	\$88	\$945	\$431	\$56	\$27	\$4	\$518
2020	\$448	\$451	\$88	\$987	\$451	\$54	\$28	\$4	\$538
2021	\$469	\$473	\$88	\$1,030	\$473	\$52	\$29	\$4	\$559
2022	\$492	\$496	\$88	\$1,076	\$496	\$496 \$51 \$30		\$4	\$581
2023	\$516	\$520	\$88	\$1,124	\$520	\$49	\$31	\$4	\$604
2024	\$541	\$545	\$88	\$1,174 \$545 \$48 \$32		\$4	\$629		
2025	\$567	\$571	\$88	\$1,226	\$571	\$46	\$33	\$4	\$655
2026	\$594	\$599	\$88	\$1,281	\$599	\$45	\$34	\$4	\$682
2027	\$623	\$628	\$88	\$1,339	\$628	\$43	\$35	\$4	\$710
2028	\$653	\$658	\$88	\$1,399	\$658	\$42	\$36	\$4	\$740
2029	\$685	\$690	\$88	\$1,462	\$690	\$41	\$37	\$4	\$772
2030	\$718	\$723	\$88	\$1,529	\$723	\$39	\$39	\$4	\$805
2031	\$752	\$758	\$88	\$1,598	\$758	\$38	\$40	\$4	\$840
2032	\$789	\$795	\$88	\$1,671	\$795	\$37	\$41	\$4	\$877
2033	\$827	\$833	\$88	\$1,748	\$833	\$36	\$43	\$4	\$916
		Present Valu	e				Present Valu	ıe	
		of Benefits		\$17,129	=		of Costs		\$13,729
							Benefit/Cos Ratio	st	1.25
							literation of the second se		

Applia	nce Type		Utility Rate - Weighted Average
CNG -	Refueling (1)		Building Type - Residential
	Other Equipment Included in Analysis:	Water Heating - Tanl	dess (1), Cooking Equipment (1), Furnace (1), Clothes Drying (1)

Fuel Rate Escalator	4.83%	Depreciation Rate - Supply Main	2.90%
Gas Energy Charge Escalator	4.83%	Depreciation Rate - Development Main	2.90%
Gas Customer Charge Escalator	0.00%	Depreclation Rate - Service Line	3.10%
O&M/Inflation Escalator	3.19%	Depreciation Rate - Meter	4.00%

2*3 Total Charge

\$340

\$357

\$374

\$392

\$411 \$431 \$451 \$473

\$495

\$520

\$545

\$571

\$599

\$628

\$658

\$690

\$723

\$758

\$795 \$833

\$758 \$795

\$833

\$1.3056 \$1.3687

able 1					Table 1a		
	Revenue	e - Energy Charg	je		Revenue	- Cost of	Gas
1	2	3	2*3		1	2	3
Year	Therms	Base Rate	Total		Year	Thems	Fuel Rate
			Charge				
2014	609	\$0.5542	\$337		2014	609	\$0.5586
2015	609	\$0.5809	\$354		2015	609	\$0.5856
2016	609	\$0.6090	\$371		2016	609	\$0.6138
2017	609	\$0.6384	\$389		2017	609	\$0.6435
2018	609	\$0.6692	\$407		2018	609	\$0.6746
2019	609	\$0.7015	\$427		2019	609	\$0.7072
2020	609	\$0.7354	\$448		2020	609	\$0.7413
2021	609	\$0.7710	\$469		2021	609	\$0.7771
2022	609	\$0.8082	\$492		2022	609	\$0.8146
2023	609	\$0.8472	\$516		2023	609	\$0.8540
2024	609	\$0.8881	\$541		2024	609	\$0.8952
2025	609	\$0.9310	\$567		2025	609	\$0,9385
2026	609	\$0.9760	\$594		2026	609	\$0.9838
2027	609	\$1.0232	\$623		2027	609	\$1.0313
2028	609	\$1.0726	\$653		2028	609	\$1.0811
2029	609	\$1.1244	\$685	-	2029	609	\$1.1334
2030	609	\$1.1787	\$718		2030	609	\$1,1881
2031	609	\$1.2356	\$752		2031	609	\$1.2455
2032	609	\$1.2953	\$789		2032	609	\$1.3056
2033	609	\$1.3579	\$827	1	2033	609	\$1.3687

Associated Gas Distributors of Florida **Residential Energy Conservation Program**

CNG -	Refueling	(1)			Buildi	ng Ty	/pe - Lai	rge Commercial	Hospitality
	Othe	ar Equipment in	cluded in Analysis: Wa	ater Heating Tankiess (1),	Cooking Equips	nent (1)	Fumace (1), Clothes Drying (1)	
Table :	2				Table	: 3			
lever	nue - Custo	omer Charg	je		Gas (Costs			
1	2	3	4	3*4		1	2	3	2*3
Year	Monthly Customer Charge	Annual Customer Charge	Ratio Therms To Total Consumed	Prorated Annual Cutomer Charge	Ye	ar	Therms	Gas Supply Rate	Gas Supply Cost
2014	\$12.00	\$144.00	60.96%	\$88	20	14	609	\$0.5586	\$340
2015	\$12.00	\$144.00	60.96%	\$88	20	15	609	\$0.5856	\$357
2016	\$12.00	\$144.00	60.96%	\$88	20	16	609	\$0.6138	\$374
2017	\$12.00	\$144,00	60.96%	\$88	20	17	609	\$0.6435	\$392
2018	\$12.00	\$144.00	60.96%	\$88	20	18	609	\$0.6746	\$411
019	\$12.00	\$144.00	60.96%	\$88	20	19	609	\$0.7072	\$431
020	\$12.00	\$144.00	60.96%	\$88	20	20	609	\$0.7413	\$451
2021	\$12.00	\$144.00	60.96%	\$88	20	21	609	\$0.7771	\$473
2022	\$12.00	\$144.00	60.96%	\$88	20	22	609	\$0.8146	\$496
2023	\$12.00	\$144.00	60.96%	\$88	20	23	609	\$0.8540	\$520
2024	\$12.00	\$144.00	60.96%	\$88	20	24	609	\$0.8952	\$545
2025	\$12.00	\$144.00	60.96%	\$8B	20	25	609	\$0.9385	\$571
2026	\$12.00	\$144.00	60.96%	\$88	20	26	609	\$0.9838	\$599
2027	\$12.00	\$144.00	60.96%	\$88	20	27	609	\$1.0313	\$628
2028	\$12.00	\$144.00	60.96%	\$88	20	28	609	\$1.0811	\$658
2029	\$12.00	\$144.00	60.96%	\$88	20	29	609	\$1.1334	\$690
2030	\$12.00	\$144.00	60.96%	\$88	20	30	609	\$1.1861	\$723
2031	\$12.00	\$144.00	60.96%	\$88	20	31	609	\$1.2455	\$758
2032	\$12.00	\$144.00	60.96%	\$88	20	32	609	\$1.3056	\$795

\$88

2033

609

\$1.3687

2033 \$12.00

\$144.00

60.96%

Appliance Type	Utility Rate - Weighted Average
CNG - Refueling (1)	Building Type - Large Commercial Hospitality

Other Equipment Included in Analysis: Water Heating - Tankless (1), Cooking Equipment (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	Service Line	Meter	Total	Cost of	Ratio of Therms	Investment
		Main			Investmen	Debt	Consumed To	Carrying
					t		Total	Cost
2014	\$500	\$500	\$0	\$335	\$1,335	8.07%	60.96%	\$66
2015	\$486	\$486	\$0	\$322	\$1,294	8.07%	60.96%	\$64
2016	\$472	\$472	\$0	\$309	\$1,253	8.07%	60.96%	\$62
2017	\$458	\$458	\$0	\$297	\$1,213	8.07%	60.96%	\$60
2018	\$445	\$445	\$0	\$285	\$1,175	8.07%	60.96%	\$58
2019	\$432	\$432	\$0	\$274	\$1,138	8.07%	60.96%	\$56
2020	\$419	\$419	\$0	\$263	\$1,101	8.07%	60.96%	\$54
2021	\$407	\$407	\$0	\$252	\$1,066	8.07%	60.96%	\$52
2022	\$395	\$395	\$0	\$242	\$1,032	8.07%	60.96%	\$51
2023	\$384	\$384	\$0	\$232	\$1,000	8.07%	60.96%	\$49
2024	\$373	\$373	\$0	\$223	\$969	8.07%	60.96%	\$48
2025	\$362	\$362	\$0	\$214	\$938	8.07%	60.96%	\$46
2026	\$352	\$352	\$0	\$205	\$909	8.07%	60.96%	\$45
2027	\$342	\$342	\$0	\$197	\$881	8.07%	60.96%	\$43
2028	\$332	\$332	\$0	\$189	\$853	8.07%	60.96%	\$42
2029	\$322	\$322	\$0	\$181	\$825	8.07%	60.96%	\$41
2030	\$313	\$313	\$0	\$174	\$800	8.07%	60.96%	\$39
2031	\$304	\$304	\$0	\$167	\$775	8.07%	60.96%	\$38
2032	\$295	\$295	\$0	\$160	\$750	8.07%	60.96%	\$37
2033	\$286	\$286	\$0	\$154	\$726	8.07%	60.96%	\$36

Table 5

	Incremental Customer Costs											
1	2	3	4	5=3*4	6	8=6*4	5+8					
				Annual		Annual						
				Ratio		Ratio	Total Incremental					
	Monthly	Annual Adm.	Ratio Therms To	Adm.	Annual	O&M	Adm. & O&M					
Year	Adm. Cost	Cost	Total Consumed	Cost	O&M Cost	Cost	Cost					
2014	\$2.41	\$29	60.96%	\$17.68	\$9.43	5.7	\$23					
2015	\$2.49	\$30	60.96%	\$18.29	\$9.73	5.9	\$24					
2016	\$2.57	\$31	60.96%	\$18.90	\$10.04	6.1	\$25					
2017	\$2.65	\$32	60.96%	\$19.51	\$10.36	6.3	\$26					
2018	\$2.73	\$33	60.96%	\$20.12	\$10.69	6.5	\$27					
2019	\$2.82	\$34	60.96%	\$20.72	\$11.03	6.7	\$27					
2020	\$2.91	\$35	60.96%	\$21.33	\$11.39	6.9	\$28					
2021	\$3.00	\$36	60.96%	\$21.94	\$11.75	7.2	\$29					
2022	\$3.10	\$37	60.96%	\$22.55	\$12.12	7.4	\$30					
2023	\$3.20	\$38	60.96%	\$23.16	\$12.51	7.6	\$31					
2024	\$3.30	\$40	60.96%	\$24.38	\$12.91	7.9	\$32					
2025	\$3.40	\$41	60.96%	\$24.99	\$13.32	8.1	\$33					
2026	\$3.51	\$42	60.96%	\$25.60	\$13.75	8.4	\$34					
2027	\$3.62	\$43	60.96%	\$26.21	\$14.18	8.6	\$35					
2028	\$3.74	\$45	60.96%	\$27.43	\$14.64	8.9	\$36					
2029	\$3.86	\$46	60.96%	\$28.04	\$15.10	9.2	\$37					
2030	\$3.98	\$48	60,96%	\$29.26	\$15.59	9.5	\$39					
2031	\$4.11	\$49	60.96%	\$29.87	\$16.08	9.8	\$40					
2032	\$4.24	\$51	60.96%	\$31.09	\$16.60	10.1	\$41					
2033	\$4.38	\$53	60.96%	\$32.31	\$17.12	10.4	\$43					

	Participants Test - Results											
					[G	as Utilit	y Rate - Se	ebring Gas
Appl	ance Type	<u></u>			1				Elec Uti	lity Rate	- Weighte	ed Average
CNG	- Dofueling	· • (1)								Buildir	na Type - I	Residential
Leura	- neruenny	<u>, (i)</u>			in: Water Harding, Tooklass (1), Cooklast Environment (1), Europea (1), Clothes Daving (1)							
	<u> </u>	Benefits	ier Equipment ind	ludeo in Analysis;	water Heating	- Tankiess (T), C	ooking Equipini	Costs	r (1), Clothes	Drying (1)		
	Avoided		Avoided			Electric	_	~~~~~				
Veran	Electric	Gas	Electric		Gas	Equipment &	Gas	Gas	Gas Supply	Gas	Gas	
Tear	KWH/KW Cost	Rebate	Appliance O&M	TOTAL BENEFITS	Cost	Installation Cost	Cost	O & M	Cost	Charge	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
2014	\$647	\$4,500	\$900	\$6,047	\$31,140	(\$30,180)	\$1,795	\$433	\$349	\$346	\$90	\$3,972
2015	\$672	\$0	\$929	\$1,601	\$0	\$0	\$0	\$447	\$365	\$363	\$90	\$1,265
2016	\$699	\$0	\$958	\$1,657	\$0	\$0	\$0	\$461	\$383	\$380	\$90	\$1,314
2017	\$726	\$0	\$989	\$1,715	\$0	\$0	\$0	\$476	\$402	\$398	\$90	\$1,366
2018	\$755	\$0	\$1,020	\$1,775	\$0	\$0	\$0	\$491	\$421	\$418	\$90	\$1,419
2019	\$784	\$0	\$1,053	\$1,837	\$0	\$0	\$0	\$506	\$441	\$438	\$90	\$1,476
2020	\$815	\$0	\$1,087	\$1,901	\$0	\$0	\$0	\$523	\$463	\$459	\$90	\$1,534
2021	\$847	\$0	\$1,121	\$1,968	\$0	\$0	\$0	\$539	\$485	\$481	\$90	\$1,595
2022	\$880	\$0	\$1,157	\$2,037	\$0	\$0	\$0	\$556	\$50B	\$504	\$90	\$1,659
2023	\$915	\$0	\$1,194	\$2,108	\$0	\$0	\$0	\$574	\$533	\$529	\$90	\$1,726
2024	\$950	\$0	\$1,232	\$2,182	\$0	\$0	\$0	\$593	\$559	\$554	\$90	\$1,795
2025	\$988	\$0	\$1,271	\$2,259	\$0	\$0 \$	\$0	\$611	\$586	\$581	\$90	\$1,868
2026	\$1,026	\$0	\$1,312	\$2,338	\$0	\$0	\$0 \$0	\$631	\$614	\$609	\$90	\$1,944
2027	\$1,067	\$0	\$1,354	\$2,420	\$0	\$U \$0	\$U 60	\$00 I #670	ቅ044 ¢ድንፍ	4660 4038	\$90 \$00	\$2,025
2028	\$1,108	\$U ©0	\$1,397	\$2,505	\$0	\$U \$0	\$U \$0	\$6072 \$6072	\$070 \$707	\$702	\$90 \$90	\$2,100
2025	\$1,152	\$U \$0	\$1,441 \$1,497	\$2,093 \$2,694	\$0	\$0 \$0	90 \$0	\$715	\$741	\$736	\$90	\$2,282
2030	\$1,197	ф0 ¢Л	\$1,407 \$1,525	\$2,004	\$0	\$0 \$0	\$0	\$738	\$777	\$771	\$90	\$2.377
2031	\$1,244	90 \$0	\$1,550	\$2,773	\$0	\$0 \$0	\$0 \$0	\$762	\$815	\$808	\$90	\$2,475
2033	\$1,343	\$0	\$1,634	\$2,978	\$0	\$0	\$0	\$786	\$854	\$847	\$90	\$2,578
			D	-							Present Val	lue -
			of Benefits	\$36,348	-						of Costs	\$28,969
				40010-10	-							ar. manager of p and always
										Benefit	/Cost	4.05
										Ratio		1.25
					AL ANY ADDRESS OF THE OWNER							

Associated Gas Distributors of Florida

Residential Energy Conservation Program

CNG - Refueling (1)

Other Equipment Included in Analysis: Water Heating - Tankless (1), Cooking Equipment (1), Furnace (1), Clothes Drying (1) le 1 - Electric KWH/KW Cost Table 2 - Gas Fuel Charge

Ì		I able 1 - Electric KWH/KW Cost					
	Year	Cost Per KWH	Annual KWH	Cost Per kW	Monthly Demand kW	Tax Rate	Electric Cost
	А	В	С	D	E	F	(B*C+12*D*E)*(1+F)
	2014	\$0.1417	4,454	\$0.00	0.00	2.5%	\$647
	2015	\$0.1473	4,454	\$0.00	0.00	2.5%	\$672
	2016	\$0.1531	4,454	\$0.00	0.00	2.5%	\$699
	2017	\$0.1591	4,454	\$0.00	0.00	2.5%	\$726
	2018	\$0.1653	4,454	\$0.00	0.00	2.5%	\$755
	2019	\$0.1718	4,454	\$0.00	0.00	2.5%	\$784
	2020	\$0.1785	4,454	\$0.00	0.00	2.5%	\$815
	2021	\$0.1855	4,454	\$0.00	0.00	2.5%	\$847
	2022	\$0.1928	4,454	\$0.00	0.00	2.5%	\$880
	2023	\$0.2003	4,454	\$0.00	0.00	2.5%	\$915
	2024	\$0.2082	4,454	\$0.00	0.00	2.5%	\$950
	2025	\$0.2163	4,454	\$0.00	0.00	2.5%	\$988
	2026	\$0.2248	4,454	\$0.00	0.00	2.5%	\$1,026
	2027	\$0.2336	4,454	\$0.00	0.00	2.5%	\$1,067
	2028	\$0.2428	4,454	\$0.00	0.00	2.5%	\$1,108
	2029	\$0.2523	4,454	\$0.00	0.00	2.5%	\$1,152
	2030	\$0.2622	4,454	\$0.00	0.00	2.5%	\$1,197
l	2031	\$0.2725	4,454	\$0.00	0.00	2.5%	\$1,244
1	2032	\$0.2832	4,454	\$0.00	0.00	2.5%	\$1,293
	2033	\$0.2943	4,454	\$0.00	0.00	2.5%	\$1,343

Year	Cost Per Therm	Annual Therms	Tax Rate	Gas Cost
А	В	С	D	B*C *(1+D)
2014	\$0.5586	609	2.5%	\$349
2015	\$0.5856	609	2.5%	\$365
2016	\$0.6138	609	2.5%	\$383
2017	\$0.6435	609	2.5%	\$402
2018	\$0.6746	609	2.5%	\$421
2019	\$0.7072	609	2.5%	\$441
2020	\$0.7413	609	2.5%	\$463
2021	\$0.7771	609	2.5%	\$485
2022	\$0.8146	609	2.5%	\$508
2023	\$0.8540	609	2.5%	\$533
2024	\$0.8952	609	2.5%	\$559
2025	\$0.9385	609	2.5%	\$586
2026	\$0.9838	609	2.5%	\$614
2027	\$1.0313	609	2.5%	\$644
2028	\$1.0811	609	2.5%	\$675
2029	\$1.1334	609	2.5%	\$707
2030	\$1.1881	609	2.5%	\$741
2031	\$1.2455	609	2.5%	\$777
2032	\$1.3056	609	2.5%	\$815
2033	\$1.3687	609	2.5%	\$854

	Table 3 - Gas Energy Charge					
Year	Rate Per Therm	Annual Therms	Tax Rate	Gas Cost		
Α	В	С	D	B*C *(1+D)		
2014	\$0.5542	609	2.5%	\$346		
2015	\$0.5809	609	2.5%	\$363		
2016	\$0.6090	609	2.5%	\$380		
2017	\$0.6384	609	2.5%	\$398		
2018	\$0.6692	609	2.5%	\$418		
2019	\$0.7015	609	2.5%	\$438		
2020	\$0.7354	609	2.5%	\$459		
2021	\$0.7710	609	2.5%	\$481		
2022	\$0.8082	609	2.5%	\$504		
2023	\$0.8472	609	2.5%	\$529		
2024	\$0.8881	609	2.5%	\$554		
2025	\$0.9310	609	2.5%	\$581		
2026	\$0.9760	609	2.5%	\$609		
2027	\$1.0232	609	2.5%	\$639		
2028	\$1.0726	609	2.5%	\$669		
2029	\$1.1244	609	2.5%	\$702		
2030	\$1.1787	609	2.5%	\$736		
2031	\$1.2356	609	2.5%	\$771		
2032	\$1.2953	609	2.5%	\$808		
2033	\$1.3579	609	2.5%	\$847		

		Table 4 - Gas Customer Charge					
	Year	Monthly Customer Charge	Annual Customer Charge	Ratio - Appliance to Total	Tax Rate	Pro-Rated Customer Charge	
ľ	A	В	Ç	D	E	C*D*(1+E)	
ſ	2014	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2015	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2016	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2017	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2018	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2019	\$12.00	\$144.00	60.96%	2.5%	\$90	
۱	2020	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2021	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2022	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2023	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2024	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2025	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2026	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2027	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2028	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2029	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2030	\$12.00	\$144.00	60.96%	2.5%	\$90	
	2031	\$12.00	\$144.00	60.96%	2.5%	\$90	
Concernance of the local distance of the loc	2032	\$12.00	\$144.00	60.96%	2.5%	\$90	
Contraction of the local division of the loc	2033	\$12.00	\$144.00	60.96%	2.5%	\$90	

Gas:	CNG - Refueling (1)		Elec:	CNG - Refueling (1)	
Year:	2014				
CO2:	3.04 tonnes CO2/year		CO2:	3.19 tonnes CO2/year	
Allowance:	\$4,500	A Second Second	Rate:	Weighted Average	
Gas Utility:	Sebring Gas		Bidg:	Residential	
I.	Installed Cost Data	¢01 140	VI.	Electric Cost Data	¢00 000
		\$31,140		Equipment	\$26,960 #4,000
	Installation	\$1,795		Installation	\$1,200
	Total Customer Cost	\$32,935		Breaker and Wiring Savings	\$0
	Replacement Installation	\$1,200			
	Total Replacement (incl Equip)	\$32,340			
	Utility Rebate	\$4,500			
TE TE	Operating Data				
h	Therms Consumed	609	VII	Energy Conserved Data	
	Total Building Therms	999	v	Monthly Demand kW	0.00
	O&M (excluding energy)	\$433		Annual kWh	4.454
		4 100		O&M (excluding energy)	\$900
n.	Rates and Charges				
	ECCR	\$0.0609	VIII.	Electric Rates and Charges	
	Distribution Charge	\$0.4933		Electric Rate per kW	\$0.00
	Commodity Charge	\$0.5586		Electric Rate per kWh	\$0.14173
	Taxes & Fees	2.50%		Electric Fuel rate	\$0.0435
	Customer Chg	\$12.00		Electric Base rate	\$0.0982
	Average Life (years)	30		Electric Taxes & Fees	2.50%
	Appliance Therms /Total Therms	60.96%		Customer Chg	\$8.91
	EC Program Adm. Cost	\$3.90		Average Life in Yrs	30
IV.	New Customer Installation Costs	s			
	Service Line	\$500			
	Development Main	\$500			
	Other	\$0			
	Meter	\$335			
		Total \$1,335			
V.	New Customer Admin. Cost \$/m	onth \$2.41			
	<u></u>			a anno an am dù faillith an lan bhaile an an Uitinn d' i fhan la lan ann d' di lann, an daoinn an daoinn an an	