



Matthew R. Bernier
Associate General Counsel

August 26, 2021

VIA ELECTRONIC FILING

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

Re: *Petition for approval of modifications to demand-side management program plan and participation standards, by Duke Energy Florida, LLC.; Docket No. 20210121-EG*

Dear Mr. Teitzman:

On behalf of Duke Energy Florida, LLC ("DEF"), please find enclosed for electronic filing in the above-referenced Docket, DEF's Response to Staff's First Data Request (Nos. 1-30) propounded on August 5, 2021.

Thank you for your assistance in this matter. If you have any questions concerning this Response, please feel free to contact me at (850) 521-1428.

Respectfully,

/s/ Matthew R. Bernier

Matthew R. Bernier

MRB/cmw
Enclosure

cc: Takira Thompson
Phillip Ellis
Laura King

**DUKE ENERGY FLORIDA, LLC'S RESPONSE TO
STAFF'S FIRST DATA REQUEST RE. DEF'S PETITION FOR APPROVAL
OF MODIFICATIONS TO DEMAND-SIDE MANAGEMENT PROGRAM
PLAN AND PARTICIPATION STANDARDS**

1. Please describe DEF's disconnection policy, and identify the number of customer disconnections between January 7, 2021, and August 20, 2021.

RESPONSE:

DEF's Disconnection Policy:

Scheduled monthly meter reading. Every month, the electric meter is read to determine usage. Current bills are mailed next business day after meter read. Customers have 21 calendar days to pay.

If payment is not received, late notices are generating which provide 5 working calendar days to pay before a customer is eligible to be disconnected.

Amount of outstanding liability, length of service, and credit history with the Company aid in determining whether a residential, cut-out ticket will be automatically generated. Delinquent accounts not automatically eligible for a cut out appear on the Cut List for review. Manual reviews are done between days 1 and 5 of the account appearing eligible for cut.

Customer Disconnections:

Actual Disconnects for Non-pay completed								Total	
Jan 7th - 31st	Feb	Mar	Apr	May	Jun	Jul	Aug 1st - 11th	Aug 12th - 20th	Jan 7th - Aug 20th
9,068	12,496	10,937	8,796	12,869	19,939	19,303	8,098	8,288	109,794
Removed Jan 2nd - 6th (2,050)								Estimate by Late notices mailed	

2. Please explain how the Utility verifies that a customer qualifies as a "low-income customer.

RESPONSE:

DEF utilizes a customized "mapping tool" which utilizes purchased household-income data and allows the company to identify areas that are generally below 200% of the poverty income guidelines.

3. Please explain how DEF intends to monitor each of the requested modified programs.

RESPONSE:

- Low-Income “Assistance Kits” – DEF will keep track of the number of low-income customers who complete an audit and receive an “Assistance Kit” through the Home Energy Program.
- Low-Income “Assistance Gift Cards” – DEF will develop a monthly process to identify customers who qualify for the “Assistance Gift Cards” and will develop a system to keep track of the customers who receive gift cards.
- Neighborhood Energy Saver Program – The addition of 250 participants is an achievable increase that will not require significant changes to the existing program tracking system. DEF will broaden the neighborhood boundaries where possible, and additional neighborhoods will be targeted to meet the increased goal, if needed.

Please refer to the modifications associated with the Neighborhood Energy Saver program for the following questions.

4. In part, Paragraph 6 of DEF’s Petition states that the Utility “requests that the projected participation in its Neighborhood Energy Saver residential low-income program increase by an incremental 250 customers per year, beginning in 2022.” Please describe the additional marketing and/or promotional efforts that are planned for the Neighborhood Energy Saver program in order to reach a higher number of participants.

RESPONSE:

DEF plans to reach the higher level of participation based on review of the targeted neighborhoods to determine whether it is possible to adjust the boundaries to include more homes or whether it will be necessary to add additional neighborhoods to reach the projected level of participation.

- a. As part of this response, please indicate whether or not there will be any incremental costs associated with outreach. If so, please identify these costs.

RESPONSE:

There may be some additional marketing and/or promotional efforts required; DEF estimates these associated costs to be a 5% increase. See Attachment A which is an Excel file titled, “DEF’s Response to Staff’s DR1-Q7, Q8, Q18, Q19, Q28 and Q29.” DEF typically promotes this program through community events and engagement with community leaders.

5. Please explain how the projected participation increase of 250 customers per year, beginning in 2022, was determined.

RESPONSE:

The incremental participation level was determined through discussions with the program management team about potential neighborhoods and the ability of the field team to handle the additional workload. Through these discussions, DEF determined that the additional participation appeared to be reasonably achievable without a significant increase in program management costs and overhead.

6. Please provide the results of all updated cost-effectiveness analyses in Microsoft Excel format with formulas intact.

RESPONSE:

Please see attached Attachment B which is an Excel file titled, “DEF’s Response to Staff’s DR1-Q6 and Q27.”

7. Please provide a table identifying the current annual program costs compared to the projected annual program costs following the requested modification for the years 2022 through 2024.

RESPONSE:

Please see Attachment A attached hereto.

8. Please provide a table identifying the current monthly bill impact on the general body of customers’ monthly bills compared to the projected monthly bill impact on the general body of customers’ monthly bills following these modifications for the years 2022 through 2024.

RESPONSE:

Please see Attachment A attached hereto.

Please refer to the modifications associated with the Home Energy Check program, pages 3 through 4 of Attachment C to the petition, for the following questions.

9. Please identify the measures currently included in the “Energy Efficiency Kit” mentioned on page 3. As part of the response, please provide the total cost of this kit.

RESPONSE:

DEF Measures for HEHC Single Family EE Kit	Unit	Cost
M13W: V-Seal Adhesive Weatherstrip 17Ft. Roll	2	\$1.98
55111-10/ea.: Switch & Outle Gasket Pack 10/ea.	1	\$0.85
AMC109G: Hot Water Gauge	1	\$0.68
Digital Refrigerator Thermometer	1	\$1.40
9W LED	2	\$6.50
Faucet Aerators	2	\$1.24
Energy Efficiency Showerhead 1.5 GPM (standard white)	1	\$2.00
Box, Labor & Shipping	1	\$1.03
Total Cost		\$25.40

10. Referring to page 4, please explain how the cap of 20,000 low-income customers per year, from 2021 to 2024, for the “Assistance Kits” was determined. As part of this response, please explain why the Utility is proposing to limit the number of “Assistance Kits” at 20,000, and address what actions the Utility will take if more than 20,000 qualifying low income customers contact it seeking to participate.

RESPONSE:

DEF plans to manage the number of “Assistance Kits” through its targeted-marketing efforts. DEF has proposed to limit the availability of the kits to 20,000 customers in an effort to balance the desire to provide assistance to customers in need while managing the overall costs and rate impacts to all customers.

11. Please explain how the Utility determines which customers qualify to receive “Assistance Kits.” As part of this response, please explain why this additional kit is limited to low-income customers.

RESPONSE:

DEF will utilize its residential customer database to target its marketing efforts to low-income customers (see DEF’s response to Q2). This database contains purchased information about customer-income levels. The additional kit is comprised of measures that have less than a 2-year payback. It is limited to low-income customers for two reasons. The first is that DEF believes that these customers may not be able to afford to install these measures on their own. Secondly, it is also limited to manage the overall cost and rate impacts to all customers.

12. Please explain how the customers that qualify to receive “Assistance Kits” will be notified about the availability of the kits.

RESPONSE:

DEF will utilize a variety of marketing channels to include email and direct mail which will inform eligible customers identified through its residential customer database about the additional opportunities for energy efficiency savings and that they are qualified to receive “Assistance Kits” through the HEC program.

13. Please identify the measures that will be included in the “Assistance Kits” mentioned on page 4. As part of this response, please provide the total cost of this kit, and indicate whether or not each of these measures are cost-effective.

RESPONSE:

DEF Measures for Low Income - Assistance EE Kit	Unit	Cost
9W LEDs	3	\$ 3.30
Smart Power Strip	1	\$ 13.38
Hot Water Pipe Insulation	1	\$ 4.96
Box, Labor & Shipping	1	\$ 4.21
Total Cost		\$ 25.85

None of the measures included in the “Assistance Kit” are cost-effective under the RIM test but will pass on meaningful bill savings to the recipients.

14. Please identify the anticipated amount of kW and kWh savings associated with each measure to be included in the “Assistance Kits.”

RESPONSE:

HEC Low Income - Assistance EE Kit							
kWh Impact/unit	SkW Impact/unit	WkW Impact/unit	Measures	Units	kWh Impact	SkW Impact	WkW Impact
9.52	0.00084	0.00088	9W LEDs	3	28.56	0.00251	0.00264
53.80	0.00593	0.00462	Smart Power Strip	1	53.80	0.00593	0.00462
187.50	0.01689	0.03635	Hot Water Pipe Insulation*	1	187.50	0.01689	0.03635
250.82	0.02365	0.04186	Total		269.86	0.02532	0.04362

**reflects savings associated with this measure in Manufactured Home*

15. Page 4 states that “Assistance Kits” will be provided to customers who complete either an online or walk-through audit. The Utility also offers telephonic audits. Is the low-income “Assistance Kit” limited to online or walk-through audit participants only, to the exclusion of phone audit participants? Please explain your response and any justification for excluding phone audit participants. If necessary, submit corrected versions of page 4 of Attachments C and D to reflect the appropriate edits.

RESPONSE:

Yes, customers will need to complete either an online or walk-through audit to be eligible for an “Assistance Kit.” DEF excluded phone-audit participants in an effort to balance the desire to provide assistance to low-income customers while managing the incremental workload and costs. Phone-assisted audits typically result in lengthy phone calls with customers which may require additional staffing.

16. Please indicate whether or not DEF has provided any “Assistance Kits” thus far. If so, please identify how many.

RESPONSE:

No “Assistance Kits” have been provided to date.

17. Please explain why this program was selected to provide the “Assistance Kits” to low-income customers as opposed to the kits being added to one of DEF’s current low-income programs.

RESPONSE:

The kits are being provided through the HEC program because the kits are tied to the completion of a Home Energy Audit. DEF plans to track these audits in accordance with its normal procedures for home energy audits. Additionally, the “Assistance Kits” are not a good fit in DEF’s other low-income programs as the Neighborhood Program is designed to target specific neighborhoods and directly install measures in customer homes, and the activities of the Weatherization Program are controlled by the weatherization agencies. DEF simply reimburses the weatherization agencies for measures installed.

18. Please provide a table identifying the current annual program costs compared to the projected annual program costs following the requested modification for the years 2021 through 2024.

RESPONSE:

Please see Attachment A attached hereto.

19. Please provide a table identifying the current monthly bill impact on the general body of customers’ monthly bills compared to the projected monthly bill impact on the general body of customers’ monthly bills following these modifications for the years 2021 through 2022.

RESPONSE:

Please see Attachment A attached hereto.

20. Please explain how this program modification is consistent with the Florida Energy Efficiency Conservation Act (FEECA) and explain how it will benefit the general body of ratepayers.

RESPONSE:

This program modification is consistent with FEECA because the purpose of FEECA is to promote energy efficiency and this modification is intended to increase the energy savings realized by low-income HEC participants as well as further encourage low-income customers to complete an energy audit which will help them better understand their energy usage and what measures they can install as well as behavioral changes they can make to make their homes more energy-efficient.

Please refer to the modifications associated with the Residential Load Management program for the following questions.

21. Please explain how the decision to provide the \$30 gift card as an incentive to assist low-income customers with accounts more than 60 days in arrears was determined. As part of this response, please explain how the total additional incentive of \$60 was determined, and explain why the incentive specifically targets low-income customers with accounts more than 60 days in arrears.

RESPONSE:

The purpose of the \$30 gift card is to provide immediate relief to those customers in need. The incentive is intended to encourage customers to pay their bills which will allow DEF to maintain the demand-response resource associated with the account. The \$60 incentive targets accounts more than 60 days in arrears, because DEF believes there is a higher likelihood that these customers may need assistance, and there is a greater risk of disconnection associated with these accounts.

- a. Please identify all alternatives to the \$30 gift card DEF considered, and explain the reason for dismissal for each.

RESPONSE:

The \$30 gift card was a result of discussions and negotiations amongst the settling parties. DEF considered and analyzed all parties' positions and desires, and ultimately the parties agreed to the \$30 gift card included in the MOU

22. Please identify the number of low-income customers that currently participate in this program. As part of this response, please identify the number of low-income customers

that currently have accounts that are more than 60 days in arrears, and identify the total number of \$30 gift cards DEF expects to provide as part of this program per year (2021 and 2022).

RESPONSE:

As of August 13, 2021, there are 129,016 low-income customer accounts that currently participate in this program and 453 low-income customer accounts that are more than 60 days in arrears.

DEF's projection filing for 2021 and 2022 assumes that DEF will provide 1,000 gift cards each year.

23. Please explain how qualifying customers will be made aware of the \$30 gift card incentive.

RESPONSE:

Qualifying customers will receive a direct mail or email communication.

24. Please indicate whether or not DEF has provided any \$30 gift cards thus far. If so, please identify how many.

RESPONSE:

No, DEF has not provided any gift cards to date.

25. Please identify how DEF plans to recover the costs associated with the \$30 gift cards.

RESPONSE:

DEF plans to include the costs of the gift cards in the program costs for the Energy Wise Program and recover the costs through the ECCR clause.

26. Please provide a copy of each of the rate schedules associated with this program.

RESPONSE:

Please see the following link to DEF's residential load management rate schedules provided - [RSL-1 and RSL-2](#).

27. Please specify if the Utility is seeking to recover costs for the proposed gift cards through the Energy Conservation Clause. If so, please provide the results of all updated cost-

effectiveness analyses in Microsoft Excel format with formulas intact inclusive of the added costs.

RESPONSE:

DEF plans to include these costs in the Energy Wise Home Program and recover these costs through the Energy Conservation Clause. Please see Attachment B attached hereto for cost-effectiveness test results.

28. Please provide a table identifying the current annual program costs compared to the projected annual program costs following these modifications for the years 2021 through 2022.

RESPONSE:

Please see Attachment A attached hereto.

29. Please provide a table identifying the current monthly bill impact on the general body of customers' monthly bills compared to the projected monthly bill impact on the general body of customers' monthly bills following these modifications for the years 2021 through 2022.

RESPONSE:

Please see Attachment A attached hereto.

30. Please explain how this program modification is consistent with the FEECA and explain how it will benefit the general body of ratepayers.

RESPONSE:

This program modification is consistent with FEECA because it is intended to reduce the number of program participants that are disconnected, which will allow DEF to maintain the demand resource associated with the account. The costs associated with this modification are relatively minor compared to overall program costs, which means that these modifications will not have a significant impact on program cost-effectiveness. The program will remain cost-effective under RIM, which means that it will provide benefits to the general body of ratepayers.

Attachment A

Duke Energy Florida, LLC	2021			2022			2023			2024		
Program	Current Program Costs (A)	Modifications	Projected Program Costs	Current Program Costs (A)	Modifications	Projected Program Costs	Current Program Costs (A)	Modifications	Projected Program Costs	Current Program Costs (A)	Modifications	Projected Program Costs
Home Energy Check	\$ 4,216,218	\$ 129,250	\$ 4,345,468	\$ 4,456,759	\$ 517,000	\$ 4,973,759	\$ 4,456,759	\$ 517,000	\$ 4,973,759	\$ 4,456,759	\$ 517,000	\$ 4,973,759
Neighborhood Energy Saver	2,562,636		2,562,636	6,025,657	249,253	6,274,910	6,025,657	249,253	6,274,910	6,025,657	249,253	\$ 6,274,910
Energy Wise	39,644,470	30,000	39,674,470	39,272,060	30,000	39,302,060	39,272,060	-	39,272,060	39,272,060	-	\$ 39,272,060
Total	\$ 46,423,324	\$ 159,250	\$ 46,582,574	\$ 49,754,476	\$ 796,253	\$ 50,550,729	\$ 49,754,476	\$ 766,253	\$ 50,520,729	\$ 49,754,476	\$ 766,253	\$ 50,520,729
Residential Rate/\$1000 kwh	\$ 1.3234	\$ 0.0042	\$ 1.3276	\$ 1.4072	\$ 0.0204	\$ 1.4276	\$ 1.4072	\$ 0.0196	\$ 1.4268	\$ 1.4072	\$ 0.0196	\$ 1.4268
Energy Allocator	0.5416											
Demand Allocator	0.6155											
Residential Sales	21,211,130	-										

(A) Projected costs for 2021 and 2022 are based on the 2021 Actual/Estimated filing and the 2022 Projection Filing in Cost Recovery Docket - 20210002.

Attachment B

PROGRAM: Residential Load Management

PWRMGR

Rate Impact Measure (RIM) Test

YEAR	BENEFITS				COSTS				NET BENEFITS
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) INCENTIVE PAYMENTS \$(000)	(7) REVENUE LOSSES \$(000)	(8) TOTAL COSTS \$(000)	
2020	0	0	0	0	750	162	0	913	-913
2021	0	0	0	0	876	325	0	1,201	-1,201
2022	0	0	0	0	1,001	487	0	1,489	-1,489
2023	0	0	0	0	1,127	650	0	1,776	-1,776
2024	0	0	0	0	1,252	812	0	2,064	-2,064
2025	0	0	0	0	1,252	812	0	2,064	-2,064
2026	0	0	0	0	627	812	0	1,439	-1,439
2027	0	0	4,284	4,284	627	812	0	1,439	2,844
2028	0	0	4,307	4,307	627	812	0	1,439	2,868
2029	0	0	5,782	5,782	627	812	0	1,439	4,343
2030	0	0	5,832	5,832	627	812	0	1,439	4,393
2031	0	0	5,883	5,883	627	812	0	1,439	4,444
2032	0	0	4,731	4,731	627	812	0	1,439	3,292
2033	0	0	5,142	5,142	627	812	0	1,439	3,703
2034	0	0	5,245	5,245	627	812	0	1,439	3,805
2035	0	0	6,494	6,494	627	812	0	1,439	5,055
2036	0	0	6,549	6,549	627	812	0	1,439	5,110
2037	0	0	5,566	5,566	627	812	0	1,439	4,126
2038	0	0	5,678	5,678	627	812	0	1,439	4,238
2039	0	0	5,710	5,710	627	812	0	1,439	4,271
2040	0	0	5,909	5,909	627	812	0	1,439	4,469
2041	0	0	6,028	6,028	627	812	0	1,439	4,589
2042	0	0	6,062	6,062	627	812	0	1,439	4,623
2043	0	0	6,274	6,274	627	812	0	1,439	4,835
2044	0	0	6,494	6,494	627	812	0	1,439	5,055
2045	0	0	5,377	5,377	615	796	0	1,411	3,967
2046	0	0	4,174	4,174	602	780	0	1,382	2,793
2047	0	0	2,880	2,880	589	764	0	1,353	1,527
2048	0	0	1,491	1,491	577	747	0	1,324	166
2049	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0
NOMINAL	0	0	115,895	115,895	20,557	21,768	0	42,325	73,570
NPV	0	0	38,752	38,752	10,153	9,030	0	19,183	19,569

Utility Discount Rate = 7.10%
Benefit Cost Ratio = 2.020

PROGRAM: Residential Load Management

PWRMGR

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			NET BENEFITS \$(000)
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) PARTICIPANT'S COST \$(000)	(7) TOTAL COSTS \$(000)	
2020	0	0	0	0	750	0	750	-750
2021	0	0	0	0	876	0	876	-876
2022	0	0	0	0	1,001	0	1,001	-1,001
2023	0	0	0	0	1,127	0	1,127	-1,127
2024	0	0	0	0	1,252	0	1,252	-1,252
2025	0	0	0	0	1,252	0	1,252	-1,252
2026	0	0	0	0	627	0	627	-627
2027	0	0	4,284	4,284	627	0	627	3,657
2028	0	0	4,307	4,307	627	0	627	3,680
2029	0	0	5,782	5,782	627	0	627	5,155
2030	0	0	5,832	5,832	627	0	627	5,205
2031	0	0	5,883	5,883	627	0	627	5,256
2032	0	0	4,731	4,731	627	0	627	4,104
2033	0	0	5,142	5,142	627	0	627	4,515
2034	0	0	5,245	5,245	627	0	627	4,617
2035	0	0	6,494	6,494	627	0	627	5,867
2036	0	0	6,549	6,549	627	0	627	5,922
2037	0	0	5,566	5,566	627	0	627	4,939
2038	0	0	5,678	5,678	627	0	627	5,050
2039	0	0	5,710	5,710	627	0	627	5,083
2040	0	0	5,909	5,909	627	0	627	5,281
2041	0	0	6,028	6,028	627	0	627	5,401
2042	0	0	6,062	6,062	627	0	627	5,435
2043	0	0	6,274	6,274	627	0	627	5,647
2044	0	0	6,494	6,494	627	0	627	5,867
2045	0	0	5,377	5,377	615	0	615	4,763
2046	0	0	4,174	4,174	602	0	602	3,572
2047	0	0	2,880	2,880	589	0	589	2,291
2048	0	0	1,491	1,491	577	0	577	914
2049	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0
NOMINAL	0	0	115,895	115,895	20,557	0	20,557	95,338
NPV	0	0	38,752	38,752	10,153	0	10,153	28,599

Utility Discount Rate = 7.10%
Benefit Cost Ratio = 3.817

PROGRAM: Residential Load Management

PWRMGR

Participant Test

YEAR	BENEFITS				COSTS		NET BENEFITS
	(1) SAVINGS IN PARTICIPANT'S BILL \$(000)	(2) INCENTIVE PAYMENTS \$(000)	(3) OTHER PARTICIPANT'S BENEFITS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) PARTICIPANT'S COST \$(000)	(6) TOTAL COSTS \$(000)	
2020	0	162	0	162	0	0	162
2021	0	325	0	325	0	0	325
2022	0	487	0	487	0	0	487
2023	0	650	0	650	0	0	650
2024	0	812	0	812	0	0	812
2025	0	812	0	812	0	0	812
2026	0	812	0	812	0	0	812
2027	0	812	0	812	0	0	812
2028	0	812	0	812	0	0	812
2029	0	812	0	812	0	0	812
2030	0	812	0	812	0	0	812
2031	0	812	0	812	0	0	812
2032	0	812	0	812	0	0	812
2033	0	812	0	812	0	0	812
2034	0	812	0	812	0	0	812
2035	0	812	0	812	0	0	812
2036	0	812	0	812	0	0	812
2037	0	812	0	812	0	0	812
2038	0	812	0	812	0	0	812
2039	0	812	0	812	0	0	812
2040	0	812	0	812	0	0	812
2041	0	812	0	812	0	0	812
2042	0	812	0	812	0	0	812
2043	0	812	0	812	0	0	812
2044	0	812	0	812	0	0	812
2045	0	796	0	796	0	0	796
2046	0	780	0	780	0	0	780
2047	0	764	0	764	0	0	764
2048	0	747	0	747	0	0	747
2049	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0
NOMINAL	0	21,768	0	21,768	0	0	21,768
NPV	0	9,030	0	9,030	0	0	9,030

Utility Discount Rate = 7.10%
Benefit Cost Ratio = 9999

PROGRAM: Neighborhood Energy Saver HWLI

Rate Impact Measure (RIM) Test

YEAR	BENEFITS				COSTS				NET BENEFITS
	(1) TOTAL FUEL & O&M SAVINGS \$(000)	(2) AVOIDED T&D CAP. COSTS \$(000)	(3) AVOIDED GEN. CAP. COSTS \$(000)	(4) TOTAL BENEFITS \$(000)	(5) UTILITY PROGRAM COSTS \$(000)	(6) INCENTIVE PAYMENTS \$(000)	(7) REVENUE LOSSES \$(000)	(8) TOTAL COSTS \$(000)	
2020	516	1,182	0	1,697	619	4,985	2,130	7,734	-6,037
2021	1,008	2,405	0	3,413	619	4,985	4,285	9,888	-6,475
2022	1,495	3,643	0	5,137	650	5,234	6,581	12,465	-7,328
2023	2,018	4,940	0	6,959	650	5,234	8,994	14,878	-7,919
2024	2,781	6,297	0	9,078	650	5,234	11,546	17,430	-8,352
2025	3,292	6,331	0	9,623	0	0	12,019	12,019	-2,396
2026	3,551	6,367	0	9,918	0	0	12,514	12,514	-2,596
2027	4,014	6,520	8,043	18,577	0	0	13,142	13,142	5,436
2028	4,230	6,678	8,085	18,993	0	0	13,672	13,672	5,321
2029	4,384	6,796	10,770	21,950	0	0	13,990	13,990	7,960
2030	4,663	6,880	10,744	22,287	0	0	14,230	14,230	8,057
2031	4,484	6,502	10,013	20,998	0	0	13,465	13,465	7,533
2032	4,259	6,099	7,398	17,755	0	0	12,569	12,569	5,185
2033	3,969	5,628	7,259	16,856	0	0	11,410	11,410	5,446
2034	3,625	5,181	6,672	15,478	0	0	10,430	10,430	5,048
2035	3,078	4,730	7,370	15,179	0	0	9,324	9,324	5,854
2036	3,065	4,789	7,364	15,218	0	0	9,376	9,376	5,842
2037	3,213	4,847	6,207	14,266	0	0	9,569	9,569	4,697
2038	3,412	4,928	6,301	14,641	0	0	9,991	9,991	4,651
2039	3,651	5,010	6,307	14,968	0	0	10,406	10,406	4,561
2040	3,033	4,126	5,259	12,417	0	0	8,664	8,664	3,753
2041	2,379	3,200	4,072	9,652	0	0	6,782	6,782	2,870
2042	1,643	2,180	2,730	6,553	0	0	4,668	4,668	1,886
2043	851	1,113	1,413	3,377	0	0	2,409	2,409	968
2044	0	0	0	0	0	0	0	0	0
2045	0	0	0	0	0	0	0	0	0
2046	0	0	0	0	0	0	0	0	0
2047	0	0	0	0	0	0	0	0	0
2048	0	0	0	0	0	0	0	0	0
2049	0	0	0	0	0	0	0	0	0
2050	0	0	0	0	0	0	0	0	0
2051	0	0	0	0	0	0	0	0	0
2052	0	0	0	0	0	0	0	0	0
2053	0	0	0	0	0	0	0	0	0
2054	0	0	0	0	0	0	0	0	0
2055	0	0	0	0	0	0	0	0	0
2056	0	0	0	0	0	0	0	0	0
2057	0	0	0	0	0	0	0	0	0
2058	0	0	0	0	0	0	0	0	0
2059	0	0	0	0	0	0	0	0	0
NOMINAL	72,613	116,371	116,008	304,992	3,186	25,673	232,167	261,026	43,966
NPV	34,819	59,280	48,119	142,218	2,785	22,442	116,558	141,785	432

Utility Discount Rate = 7.10%
Benefit Cost Ratio = 1.003

PROGRAM: Neighborhood Energy Saver HWLI

Total Resource Cost (TRC) Test

YEAR	BENEFITS				COSTS			NET BENEFITS	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)
	TOTAL FUEL & O&M SAVINGS \$(000)	AVOIDED T&D CAP. COSTS \$(000)	AVOIDED GEN. CAP. COSTS \$(000)	TOTAL BENEFITS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT'S COST \$(000)	TOTAL COSTS \$(000)		
2020	516	1,182	0	1,697	619	7,439	8,057	-6,360	
2021	1,008	2,405	0	3,413	619	7,439	8,057	-4,644	
2022	1,495	3,643	0	5,137	650	7,810	8,460	-3,323	
2023	2,018	4,940	0	6,959	650	7,810	8,460	-1,501	
2024	2,781	6,297	0	9,078	650	7,810	8,460	618	
2025	3,292	6,331	0	9,623	0	0	0	9,623	
2026	3,551	6,367	0	9,918	0	0	0	9,918	
2027	4,014	6,520	8,043	18,577	0	0	0	18,577	
2028	4,230	6,678	8,085	18,993	0	0	0	18,993	
2029	4,384	6,796	10,770	21,950	0	0	0	21,950	
2030	4,663	6,880	10,744	22,287	0	0	0	22,287	
2031	4,484	6,502	10,013	20,998	0	0	0	20,998	
2032	4,259	6,099	7,398	17,755	0	0	0	17,755	
2033	3,969	5,628	7,259	16,856	0	0	0	16,856	
2034	3,625	5,181	6,672	15,478	0	0	0	15,478	
2035	3,078	4,730	7,370	15,179	0	0	0	15,179	
2036	3,065	4,789	7,364	15,218	0	0	0	15,218	
2037	3,213	4,847	6,207	14,266	0	0	0	14,266	
2038	3,412	4,928	6,301	14,641	0	0	0	14,641	
2039	3,651	5,010	6,307	14,968	0	0	0	14,968	
2040	3,033	4,126	5,259	12,417	0	0	0	12,417	
2041	2,379	3,200	4,072	9,652	0	0	0	9,652	
2042	1,643	2,180	2,730	6,553	0	0	0	6,553	
2043	851	1,113	1,413	3,377	0	0	0	3,377	
2044	0	0	0	0	0	0	0	0	
2045	0	0	0	0	0	0	0	0	
2046	0	0	0	0	0	0	0	0	
2047	0	0	0	0	0	0	0	0	
2048	0	0	0	0	0	0	0	0	
2049	0	0	0	0	0	0	0	0	
2050	0	0	0	0	0	0	0	0	
2051	0	0	0	0	0	0	0	0	
2052	0	0	0	0	0	0	0	0	
2053	0	0	0	0	0	0	0	0	
2054	0	0	0	0	0	0	0	0	
2055	0	0	0	0	0	0	0	0	
2056	0	0	0	0	0	0	0	0	
2057	0	0	0	0	0	0	0	0	
2058	0	0	0	0	0	0	0	0	
2059	0	0	0	0	0	0	0	0	
NOMINAL	72,613	116,371	116,008	304,992	3,186	38,309	41,494	263,497	
NPV	34,819	59,280	48,119	142,218	2,785	33,487	36,272	105,945	

Utility Discount Rate = 7.10%
Benefit Cost Ratio = 3.921

