Holtzman Vogel

HOLTZMAN VOGEL BARAN TORCHINSKY & JOSEFIAK PLLC

December 19, 2024

VIA ELECTRONIC FILING

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

RE: JEA's Petition for Approval of Demand-Side Management Plan

Dear Mr. Teitzman:

Please find enclosed for filing is the JEA's Petition for Approval of Demand-Side Management Plan pursuant to Rule 25-17.0021(f), Florida Administrative Code, and Order No. PSC-2024-0432-FOF-EG.

Thank you for your assistance in this matter. Please feel free to give me a call at 850-567-5762 if you have questions concerning this filing.

Sincerely,

/s/ *Gary V Perko*
Fla. Bar No. 855898

Enclosure.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for Approval of JEA's Demand-Side Management Plan	DOCKET NO.: _____ FILED: December 19, 2024

JEA'S PETITION FOR APPROVAL OF DEMAND-SIDE MANAGEMENT PLAN

JEA, by and through its undersigned attorneys, and pursuant to Sections 366.82, Florida Statutes ("F.S."), and Rules 28-106.201 and 25-17.0021(4), Florida Administrative Code ("F.A.C"), petitions the Florida Public Service Commission ("Commission") to approve JEA's proposed Demand-Side Management Plan as set forth in the attached Exhibit A, which is incorporated by reference herein. As summarized below, JEA's proposed Demand-Side Management Plan will achieve or exceed the conservation goals established by the Commission for 2025-2034 in Order No. PSC-2024-0432-FOF-EG issued in Docket No. 20240016-EG, and otherwise satisfies the requirements of applicable statutes and rule. Accordingly, the Commission should approve the proposed Plan.

BACKGROUND

1. JEA is an electric utility subject to the Florida Energy Efficiency and Conservation Act ("FEECA"), Section 366.82, F.S., which requires the Commission to adopt and periodically review goals to increase the efficiency of energy consumption, increase the development of demand-side renewable energy systems, reduce and control the growth rates of electric consumption and weather sensitive peak demand, and encourage the development of demand-side renewable energy resources.

2. JEA is the municipal electric utility provider for approximately 522,000 customers in the City of Jacksonville and portions of Clay, St. Johns, and Nassau Counties. JEA is governed by a Board of Directors consisting of seven members appointed by the Mayor of the City of Jacksonville and approved by the City Council. The Board of Directors sets the rates, operating budget, and policies governing JEA's operations. The establishment of JEA's FEECA Demand-Side Management Plan affects JEA's operating budget and could affect JEA's rates. Therefore, this proceeding will determine JEA's substantial interests.

3. Pursuant to Section 366.82(6), F.S., the Commission must review the conservation goals of each utility subject to FEECA at least every five years. In accordance with that requirement, the Commission established JEA's Residential and Commercial/Industrial numeric conservation goals for the 2025 through 2034 period in Order No. PSC-2024-0432-FOF-EG issued in Docket No. 20240016-EG ("Goal Setting Order").

4. Rule 25-17.0021(4), F.A.C., requires each FEECA utility to submit a demand-side management plan designed to meet the utility's approved goals within 90 days of a final order establishing the conservation goals. The proposed Demand-Side Management Plan provided as Exhibit "A" to this Petition includes the information required in Rule 25-17.0021(4), F.A.C.

PARTIES

5. The affected agency is:

Florida Public Service Commission
2540 Shumard Oak Boulevard,
Tallahassee, Florida 32399

6. The Petitioner is:

JEA
225 N. Pearl Street
Jacksonville, Florida, 32202

All notices, pleadings and other communications required to be served on JEA in this docket should be directed to undersigned counsel.

JEA'S PROPOSED DEMAND-SIDE MANAGEMENT PLAN

7. JEA's numeric conservation goals for 2025-2034 were established in the Commission's 2024 Goal-Setting Order, which adopted the goals proposed by JEA as modified by Stipulations entered among the Parties to the 2024 Goal-Setting Proceeding. *See* Order No. PSC-2024-0432-FOF-EG (Sept. 20, 2024).

8. JEA's proposed Demand-Side Management Plan includes the following Residential and Commercial/Industrial programs:

a. Residential Home Efficiency Upgrades Rebates, including incentives for heating ventilation and air conditioning ("HVAC"), ceiling insulation, and heat pump water heaters;

b. Residential Energy Efficiency Products Rebates, including incentives for ENERGY STAR clothes washers, room air conditioners, and smart thermostats;

c. Neighborhood Energy Efficiency Program (low-income homes), including installation of compact fluorescent light bulbs, LED night lights, low flow shower heads, faucet aerators, toilet flappers, and AC filters; and

d. Commercial/Industrial Prescriptive Lighting Rebates.

9. Taken together, the Residential and Commercial/Industrial programs included in JEA's proposed Demand-Side Management Plan with meet or exceed the energy saving reflected in the conservation goals established by the Commission for 2025-2034 in the 2024 Goal-Setting Order.

10. As explained in testimony submitted in the 2024 Goal-Setting Proceeding and in the proposed Demand-Side Management Plan, none of the programs set forth in the Demand-Side Management Plan meet the Rate Impact Measure ("RIM") cost-effectiveness test. In the order approving JEA's existing Demand-Side Management Plan, the Commission specifically recognized:

> For municipal utilities such as JEA, local decisions fall within the jurisdiction of JEA's governing body regarding the investment in energy efficiency that best suits local needs and values. Accordingly, as we have recognized in prior proceedings, it is appropriate to defer to municipal utilities' governing bodies to determine the level of investment if measures are not cost-effective.

Order No. PSC-2020-0200-PAA-EG issued in Docket No. 2020057-EG, p.5 (June 24, 2020) (citing Order No. PSC-2015-0324-PAA-EG (Aug. 11, 2015).

DISPUTED ISSUES OF MATERIAL FACT

11. JEA knows of no material facts in dispute in this proceeding.

ULTIMATE FACTS ENTITLING JEA TO RELIEF

12. This proceeding involves the formulation of agency action, rather than the reversal or modification of the agency's proposed action. Thus, subparagraphs (d) and (e) of Rule 28-106.201(2), F.A.C., do not apply to this petition. Nevertheless, the ultimate facts entitling JEA approval of its proposed Demand-Side Management include:

a. JEA's proposed Demand-Side Management Plan satisfies the requirements of Section 366.82, F.S., and Rule 17-0021(4), F.A.C.; and

b. The conservation programs set forth in JEA's Demand-Side Management Plan will achieve the conservation goals established for 2025-2034 in the Commission's 2024 Goal-Setting Order.

STATUTES & RULES ENTITLING JEA TO RELIEF

13. The specific statutes and rules entitling JEA to such relief are Sections 366.81 and 366.82, F.S., and Rules 28-106.201, and Rule 25-17.0021, F.A.C.

CONCLUSION

JEA's proposed Demand-Side Management Plan is designed to achieve the annual conservation goals established by the Commission in Order No. PSC-2024-0432-FOF-EG issued in Docket No. 20240016-EG and satisfies the requirements of Section 366.82, F.S., and Rule 17-0021(4), F.A.C. For these reasons, the Commission should approve JEA's Demand-Side Management Plan.

WHEREFORE, JEA respectfully requests that the Commission approve the proposed Demand-Side Management Plan attached as Exhibit A to this Petition.

Respectfully submitted this 19th day of December, 2024.

/s/ *Gary V. Perko*
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CERTIFICATE OF SERVICE

I certify that on December 19, 2024, a true and correct copy of the foregoing has been furnished by electronic mail to the following:

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/s/ *Gary V. Perko*
Attorney for *JEA*

Exhibit A

JEA's Petition for Approval of Demand-Side Management Plan

JEA
2025 Demand-Side Management Plan

December 19, 2024

1.0 Introduction

1.1 Background

The Florida Energy Efficiency and Conservation Act (FEECA) requires the Florida Public Service Commission (PSC) to adopt appropriate goals designed to increase the conservation of expensive resources, such as petroleum fuels, to reduce and control the growth rates of electric consumption and weather-sensitive peak demand. Pursuant to Section 366.82(6), F.S., the PSC must review the conservation goals of each utility subject to FEECA at least every five years. Pursuant to that requirement, the Commission has established JEA's residential and commercial/industrial numeric conservation goals for the 2025 through 2034 period pursuant to Order No. PSC-2024-0432-FOF-EG issued in Docket No. 20240016-EG on September 20, 2024 (JEA Goals Order). Pursuant to Rule 25-17.0021(4),, Florida Administrative Code, within 90 days of that orders, "each [FEECA] utility must file its demand-side management plan that includes the programs to meet the approved goals, along with program administrative standards that include a statement of the policies and procedures detailing the operation and administration of each program."

1.2 PSC Established Goals and JEA's DSM Programs

JEA's PSC-established goals are presented in Table 1-1. The residential and commercial/industrial programs that JEA that will offer that contribute to meeting JEA's PSC-established DSM goals (as initially set forth in Docket No. 20240016-EG) are summarized as follows.

- Residential Home Efficiency Upgrades Rebates Program
- Residential Energy Efficient Products Rebates Program
- Residential Neighborhood Energy Efficiency (NEE) Program
- Commercial/Industrial Prescriptive Lighting Rebates Program

1.3 Other DSM Programs

In addition to the DSM Programs that JEA will offer that contribute to meeting JEA's PSC-established DSM goals (as outlined above), JEA will continue to offer Residential and Commercial energy surveys (audits) to support both Residential and Commercial customers' efforts to reduce their energy consumption. JEA's PSC-established DSM goals *do not* include demand and energy reductions associated with Residential or Commercial energy surveys. Additionally, JEA may offer other DSM programs to its Residential and/or Commercial customers beyond those outlined herein; demand and

energy reductions associated with any such programs are not included in JEA's PSC-established goals.

1.4 DSM Plan Structure

The remainder of this document summarizes JEA's 2025 Demand-Side Management Plan (2025 DSM Plan), including descriptions of the residential (Section 2) and commercial/industrial (Section 3) programs to meet the goals established by the PSC for JEA for the 2025 through 2034 period, along with the program administrative standards that describe the policies and procedures detailing the operation and administration of each program. Information presented herein is consistent with the requirements as set forth in Rule 25-17.0021(4), Florida Administrative Code, excluding 27-17.0021(j) as the energy conservation cost recovery clause is not applicable to JEA.

Table 1-1
JEA - Proposed Numeric Demand and Energy Goals (2025 - 2034)[1]

	Residential			Commercial/Industrial			Total		
Year	Summer Peak Demand Reduction (MW)	Winter Peak Demand Reduction (MW)	Annual Energy Reduction (MWh)	Summer Peak Demand Reduction (MW)	Winter Peak Demand Reduction (MW)	Annual Energy Reduction (MWh)	Summer Peak Demand Reduction (MW)	Winter Peak Demand Reduction (MW)	Annual Energy Reduction (MWh)
2025	0.68	0.88	3,788	0.44	0.37	3,346	1.12	1.25	7,134
2026	0.84	0.99	4,278	0.47	0.39	3,562	1.31	1.38	7,840
2027	1.03	1.11	4,857	0.50	0.41	3,771	1.53	1.52	8,628
2028	1.26	1.25	5,510	0.53	0.42	3,975	1.79	1.67	9,485
2029	1.50	1.38	6,193	0.56	0.44	4,169	2.06	1.82	10,362
2030	1.73	1.51	6,827	0.58	0.45	4,334	2.31	1.96	11,161
2031	1.90	1.60	7,302	0.60	0.46	4,444	2.50	2.06	11,746
2032	1.96	1.65	7,512	0.60	0.46	4,470	2.56	2.11	11,982
2033	1.89	1.63	7,403	0.59	0.46	4,403	2.48	2.09	11,806
2034	1.70	1.57	7,019	0.57	0.45	4,257	2.27	2.02	11,276

(1) Totals may not add due to rounding.

2.0 Residential DSM Programs

2.1 Overview

The JEA 2025 DSM Plan includes three Residential DSM programs, which are offered to customers who live in single-family, as well as multi-family homes, and are available to customers that either own or rent their homes. The Residential Home Efficiency Upgrades Rebates Program and Residential Energy Efficient Products Rebates Program are available to all JEA residential customers. JEA's Residential Neighborhood Energy Efficiency (NEE) Program provides the direct installation of energy (and water) efficiency measures in the homes of JEA's low-income customers (including those who rent) at no cost to the customers. Each of these programs is described further in the following sections.

2.2 Residential Home Efficiency Upgrades Rebates Program

JEA has been offering its Residential Home Efficiency Upgrades Rebates Program since 2007 and will continue offering it as part of JEA's 2025 DSM Plan. The Program consists of incentives (rebates) for customers to improve the efficiency of their homes through the installation of qualifying heat pump water heaters, improvements to the heating, ventilation, and air conditioning (HVAC) systems, or ceiling insulation. This Program is offered to all Residential customers in JEA's service territory.

2.2.1 Heat Pump Water Heater Rebates

JEA currently offers a $350 rebate for the purchase and installation of an ENERGY STAR® certified heat pump water heater with 50-gallons or less capacity; this rebate amount is subject to adjustment in the future at JEA's discretion to drive adoption and ensure the continuity of the program. These ultra-efficient machines move heat from one place to another rather than making it.

2.2.2 HVAC Rebates

Heating and cooling make up a significant portion of customers' home's energy bills - nearly 50 percent for the average household. JEA currently offers $200 in rebates on all ENERGY STAR Central Air Conditioners, Central Heat Pump Systems and Ductless Mini-Split Systems with a minimum 16 SEER2 rating; this rebate amount is subject to adjustment in the future at JEA's discretion to drive adoption and ensure the continuity of the program.

2.2.3 Ceiling Insulation Rebates

Too little or improperly installed insulation could be a significant source of energy waste and costs for customers' homes. JEA currently offers rebates of $0.20 per square foot, up to $200 total, on newly added insulation to cover the first 1,000 square feet of installation installed to achieve an R-38 rating; this rebate amount is subject to adjustment in the future at JEA's discretion to drive adoption and ensure the continuity of the program. The attic floor must have less than 5 inches (or R-15) of existing insulation for customers to qualify for this measure.

2.2.4 Customer Participation and kW and kWh Reductions

The estimated customer participation and kW and kWh reductions associated with JEA's Residential Home Efficiency Upgrades Rebates Program are presented in Tables 2-1 through 2-3 for each year of the 2025 through 2034 period reflected in JEA's 2025 DSM Plan.

Table 2-1
Residential Home Efficiency Upgrades Rebates Program Participation

Calendar Year	Total Number of Customers	Total Number of Eligible Customers	Projected Annual Average Number of Program Participants	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level %
2025	471,816	471,816	2,442	2,442	0.52%
2026	478,378	478,378	2,661	5,103	1.07%
2027	484,999	484,999	2,883	7,986	1.65%
2028	491,581	491,581	3,101	11,087	2.26%
2029	498,008	498,008	3,308	14,395	2.89%
2030	504,200	504,200	3,496	17,891	3.55%
2031	510,096	510,096	3,664	21,555	4.23%
2032	515,659	515,659	3,811	25,366	4.92%
2033	520,867	520,867	3,938	29,304	5.63%
2034	525,689	525,689	4,048	33,352	6.34%

Table 2-2 Residential Home Efficiency Upgrades Rebates Program kW and kWh Reductions (at the Meter)						
Calendar Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2025	426	0.18	0.05	1,039,402	451.5	130.9
2026	449	0.19	0.06	1,195,503	501.6	149.9
2027	473	0.19	0.06	1,363,128	553.6	170.4
2028	495	0.20	0.06	1,535,240	605.6	191.6
2029	515	0.20	0.06	1,702,103	655.2	212.4
2030	530	0.20	0.07	1,853,547	699.8	231.7
2031	541	0.20	0.07	1,982,915	737.9	248.8
2032	548	0.20	0.07	2,088,288	769.1	263.3
2033	551	0.20	0.07	2,171,421	793.9	275.6
2034	553	0.20	0.07	2,236,668	813.6	286.0

Table 2-3 Residential Home Efficiency Upgrades Rebates Program kW and kWh Reductions (at the Generator)						
Calendar Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2025	443	0.19	0.06	1,080,979	469.6	136.1
2026	467	0.20	0.06	1,243,323	521.7	155.9
2027	492	0.20	0.06	1,417,653	575.7	177.2
2028	515	0.20	0.06	1,596,650	629.8	199.3
2029	535	0.21	0.07	1,770,187	681.4	220.9
2030	551	0.21	0.07	1,927,689	727.8	241.0
2031	563	0.21	0.07	2,062,232	767.4	258.7
2032	570	0.21	0.07	2,171,819	799.9	273.9
2033	573	0.21	0.07	2,258,278	825.7	286.6
2034	575	0.21	0.07	2,326,135	846.1	297.5

2.2.5 Summary of Assumptions for Estimates

Projected participation estimates for the Residential Home Efficiency Upgrades Rebates Program were developed based on estimated market adoption rates that were, in turn, based on incentive amounts for the Program measures and the Bass Diffusion Model, which is a mathematical description of how new product adoption and penetration occurs over time given specified economic input values. Adoption curve input parameters were

developed for each measure based on specific criteria, including measure maturity in the market, overall measure cost and simple payback for the customer, and whether the measure was currently offered through JEA's DSM programs. Customer eligibility was based on forecasted customer counts from JEA's 2023 Ten Year Site Plan[1] and the population of JEA customers eligible for measures included in the program. Per-participant kW and kWh reductions were based on estimated savings per installed measure consistent with the technical potential study developed for the 2024 FEECA goalsetting proceedings (Docket No. 20240016-EG), and total kW and kWh savings were calculated using Resource Innovations' Technical Economic and Achievable Potential (TEA-POT) Model by applying the annual participation values estimated using the adoption curves to the per-participant savings for each measure in the program. .

2.2.6 Methodology for Measuring Actual kW and kWh Savings

JEA anticipates that utilizing participant pre-project and post-installation energy consumption data to conduct a statistical analysis to assess the program impacts will be the most cost-effective evaluation method. Additional data such as weather data, building occupancy, operating hours, major equipment purchases, and other data may be used with this methodology. Site specific engineering estimates may be considered as an alternative to statistical analysis if it is cost-effective to develop them. JEA may require pre- and post- installation inspections, telephone surveys, and measurement of the project performance and/or verification.

2.2.7 Program Administrative Policies and Procedures

2.2.7.1 Heat Pump Water Heaters

JEA offers a direct incentive (rebate) to customers that install a qualifying heat pump water heater. The program is promoted to all customers in the JEA service territory via email and other social media avenues. Additionally, store signage and paper applications are made available in select home improvement stores and retailers. After purchase, the customer provides supporting purchase and installation information to acquire the incentive payment (rebate).

2.2.7.2 HVAC and Ceiling Insulation

JEA has a pre-qualified contractor (PQC) program that allows JEA customers to select a contractor to perform the installation of the HVAC and/or ceiling insulation. After the

[1] [1] 2023 Ten-Year Site Plan was used for the 2024 FEECA goal setting proceedings as it was the most current at the time the technical potential study was conducted.

installation is complete, the PQC provides the customer with an invoice with a line item showing the discounted amount (reflective of the rebates) from JEA. The PQC then submits the application to JEA for reimbursement for the discounted amount (rebate).

JEA considers satisfaction of its customers to be of paramount importance. JEA monitors the performance of all PQC's for quality customer service and workmanship. If it is deemed that a PQC is not performing at a level JEA judges to be in its best interest, the PQC may be disqualified from participation in the program.

All customer proposals and invoices must clearly show the full price of the system, the JEA incentive (rebate), and the resulting net price to the customer. The customer pays the net price of the system to the PQC. JEA will only provide incentive payments for systems accepted by the customer as complete, in accordance with what they purchased from the PQC, and in compliance with the requirements of the incentive program.

The PQC is responsible to maintain any licenses, permits, inspections, and insurance required to perform work under this program. It is the PQC's responsibility to ensure they adhere to all laws, rules, and regulations that apply to the promotion, purchase, and installation of the measure.

JEA does not warrant or guarantee any system sold by any PQC under this program. JEA is not liable for any representation or warranty made by any PQC to customers concerning quality of materials, workmanship, or any projected energy savings. The PQC further understands that JEA makes no warranties concerning materials and installation, expressed or implied, including warranties of merchantability or fitness for a particular purpose. The PQC cannot make statements, representations or claims to customers inconsistent with this paragraph.

2.2.8 Program Cost-Effectiveness

The following summarizes the cost-effectiveness of the Residential Home Efficiency Upgrades Rebates Program for the cost-effectiveness tests as required pursuant to Rule 25-17.008, Florida Administrative Code. Additional information related to the cost-effectiveness evaluations is included in Appendix A to JEA's 2025 DSM Plan.

- Participant Test: the program is cost-effective to participating customers (benefit-cost ratio of 1.2)
- Total Resource Cost Test: the program is not cost-effective from the Total Resource Cost Test perspective (benefit-cost ratio of 0.8)
- Rate Impact Measure Test: the program is not cost-effective from the Rate Impact Measure Test perspective (benefit-cost ratio of 0.5)

2.3 Residential Energy Efficient Products Rebates Program

JEA has been offering its Residential Energy Efficient Products Rebates Program since 2007 and will continue offering it as part of JEA's 2025 DSM Plan. The Program consists of incentives (rebates) for customers to improve the efficiency of their homes through the installation of ENERGY STAR clothes washers, room air conditioners, and smart thermostats. This Program is offered to all Residential customers in JEA's service territory through select home improvement stores and retailers.

2.3.1 ENERGY STAR Clothes Washer

JEA currently offers a $25 mail-in rebate on all ENERGY STAR certified clothes washers as they deliver superior efficiency and performance, reducing energy use by 25% and water use by 33%. Customers can use the Product Finder through ENERGY STAR's website (Clothes Washers | ENERGY STAR) to explore all certified models available. The rebate amount is subject to adjustment in the future at JEA's discretion to drive adoption and ensure the continuity of the program.

2.3.2 ENERGY STAR Room Air Conditioners

JEA currently offers a $25 instant discount (rebate) for the purchase and installation of select ENERGY STAR certified room air conditioners as they use 9% less energy than standard models and cost only $70 per year to run on average. Customers can use the Product Finder through ENERGY STAR's website (Room Air Conditioners | ENERGY STAR) to explore all certified models available. The rebate amount is subject to adjustment in the future at JEA's discretion to drive adoption and ensure the continuity of the program.

2.3.3 ENERGY STAR Smart Thermostats

JEA currently offers a $25 mail-in rebate for the purchase and installation of select ENEGY STAR certified smart thermostats as they can help customers lower their energy bills, while giving them more comfort and control – even when they aren't home. Additionally, if a customer is installing an ENERGY STAR Central Air Conditioner, Central Heat Pump Systems, or Ductless Mini-Split Systems with a minimum16 SEER2 rating, the Contractor can install and provide the same rebate to the customer. This is done as part of the pre-qualified contractor program described in Section 2.2.72. Smart thermostats provide equipment and temperature data the customer can track and utilize a low-power standby mode when not in use. Customers can use the Product Finder

though ENERGY STAR's website (Smart Thermostats | ENERGY STAR) to explore all certified models available. The rebate amount is subject to adjustment in the future at JEA's discretion to drive adoption and ensure the continuity of the program.

2.3.4 Customer Participation and kW and kWh Reductions

The estimated customer participation and kW and kWh reductions associated with JEA's Residential Energy Efficient Products Rebates Program are presented in Tables 2-4 through 2-6 for each year of the 2025 through 2034 period reflected in JEA's 2025 DSM Plan.

Table 2-4
Residential Energy Efficient Products Rebates Program Participation

Calendar Year	Total Number of Customers	Total Number of Eligible Customers	Projected Annual Average Number of Program Participants	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level %
2025	471,816	471,816	2,464	2,464	0.52%
2026	478,378	478,378	3,142	5,606	1.17%
2027	484,999	484,999	3,956	9,562	1.97%
2028	491,581	491,581	4,892	14,454	2.94%
2029	498,008	498,008	5,889	20,343	4.08%
2030	504,200	504,200	6,819	27,162	5.39%
2031	510,096	510,096	7,495	34,657	6.79%
2032	515,659	515,659	7,726	42,383	8.22%
2033	520,867	520,867	7,407	49,790	9.56%
2034	525,689	525,689	6,618	56,408	10.73%

Table 2-5
Residential Energy Efficient Products Rebates Program
kW and kWh Reductions (at the Meter)

Calendar Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2025	428	0.07	0.16	1,054,718	169.6	404.2
2026	442	0.07	0.17	1,388,880	226.6	543.0
2027	455	0.08	0.18	1,800,041	296.9	716.5
2028	466	0.08	0.19	2,280,594	378.9	921.5
2029	475	0.08	0.19	2,796,877	466.2	1,143.7
2030	481	0.08	0.20	3,278,981	545.9	1,352.5
2031	484	0.08	0.20	3,625,131	600.3	1,503.0
2032	483	0.08	0.20	3,729,843	611.5	1,548.2
2033	478	0.08	0.20	3,537,050	571.2	1,462.3
2034	467	0.07	0.19	3,087,998	488.0	1,262.5

Table 2-6
Residential Energy Efficient Products Rebates Program
kW and kWh Reductions (at the Generator)

Calendar Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2025	445	0.07	0.17	1,096,906	176.4	420.4
2026	460	0.07	0.18	1,444,435	235.6	564.8
2027	473	0.08	0.19	1,872,043	308.8	745.1
2028	485	0.08	0.20	2,371,818	394.1	958.4
2029	494	0.08	0.20	2,908,752	484.8	1,189.4
2030	500	0.08	0.21	3,410,140	567.8	1,406.6
2031	503	0.08	0.21	3,770,136	624.3	1,563.1
2032	502	0.08	0.21	3,879,037	636.0	1,610.1
2033	497	0.08	0.21	3,678,532	594.0	1,520.8
2034	485	0.08	0.20	3,211,518	507.5	1,313.0

2.3.5 Summary of Assumptions for Estimates

Projected participation estimates for the Residential Energy Efficient Products Rebates Program were developed based on estimated market adoption rates that were, in turn, based on incentive amounts for the Program measures and the Bass Diffusion Model, which is a mathematical description of how new product adoption and penetration occurs over time given specified economic input values. Adoption curve input parameters were

developed for each measure based on specific criteria, including measure maturity in the market, overall measure cost and simple payback for the customer, and whether the measure was currently offered through JEA's DSM programs. Customer eligibility was based on forecasted customer counts from JEA's 2023 Ten Year Site Plan[2] and the population of JEA customers eligible for measures included in the program. Per-participant kW and kWh reductions were based on estimated savings per installed measure consistent with the technical potential study developed for the 2024 FEECA goalsetting proceedings (Docket No. 20240016-EG), and total kW and kWh savings were calculated using Resource Innovations' Technical Economic and Achievable Potential (TEA-POT) Model by applying the annual participation values estimated using the adoption curves to the per-participant savings for each measure in the program. .

2.3.6 Methodology for Measuring Actual kW and kWh Savings

For the mail-in rebate provided with clothes washers and smart thermostats, JEA anticipates that utilizing participant pre-project and post-installation energy consumption data to conduct a statistical analysis to assess the program impacts will be the most cost-effective evaluation method. Additional data such as weather data, building occupancy, operating hours, major equipment purchases, and other data may be used with this methodology. Site specific engineering estimates may be considered as an alternative to statistical analysis if it is cost-effective to develop them. JEA may require pre- and post-installation inspections, telephone surveys, and measurement of the project performance and/or verification.

For the instant discount provided for room air conditioners, JEA anticipates utilizing site-specific engineering estimates based on relevant researched programs.

2.3.7 Program Administrative Policies and Procedures

2.3.7.1 Clothes Washer and Smart Thermostats

For the mail-in rebate provided with clothes washers and smart thermostats the customer provides supporting purchase and installation information to acquire the incentive payment (rebate). The program is promoted to all customers in the JEA service territory via email and other social media avenues. Additionally, store signage and paper applications are made available in select home improvement stores and retailers.

2.3.7.2 Room Air Conditioners

[2] 2023 Ten-Year Site Plan was used for the 2024 FEECA goalsetting proceedings as it was the most current at the time the technical potential study was conducted.

JEA offers an instant discount taken at the register at select stores with which there is an agreement to showcase the JEA discount and provide a $25 incentive off the purchase price of qualifying room air conditioners.

2.3.8 Program Cost-Effectiveness

The following summarizes the cost-effectiveness of the Residential Energy Efficient Products Rebates Program for the cost-effectiveness tests as required pursuant to Rule 25-17.008, Florida Administrative Code. Additional information related to the cost-effectiveness evaluations is included in Appendix A to JEA's 2025 DSM Plan.

- Participant Test: the program is cost-effective to participating customers (benefit-cost ratio of 3.9)
- Total Resource Cost Test: the program is cost-effective from the Total Resource Cost Test perspective (benefit-cost ratio of 1.5)
- Rate Impact Measure Test: the program is not cost-effective from the Rate Impact Measure Test perspective (benefit-cost ratio of 0.6)

2.4 Residential Neighborhood Energy Efficiency (NEE) Program

JEA has been offering its Residential NEE Program since 2008 and will continue offering it as part of JEA's 2025 DSM Plan. The Program is available to low-income customers in disadvantaged neighborhoods as designated by the U.S. Census Bureau. Through the Residential NEE Program, JEA installs various energy (and water) efficiency products at no cost to the participating customers, which helps to lower the customers' utility bills. JEA also provides tips on how customers may be able to manage their electric and water usage.

2.4.1 Direct Install Measures

Through the Residential NEE Program, JEA will install various energy (and water) efficiency products at no cost to qualifying customers who choose to participate. The measures included in the Program consist of compact fluorescent light bulbs, LED night lights, low-flow shower head(s), faucet aerators, toilet flapper(s), and air conditioning filters. For qualifying homes that have less than 3 inches of existing insulation, JEA may also install attic insulation to an R38 level free of charge.

2.4.2 Customer Participation and kW and kWh Reductions

The estimated customer participation and kW and kWh reductions associated with JEA's Residential NEE Program are presented in Tables 2-7 through 2-9 for each year of the

2025 through 2034 period reflected in JEA's 2025 DSM Plan.

Table 2-7
Residential Neighborhood Energy Efficiency Program Participation

Calendar Year	Total Number of Customers	Total Number of Eligible Customers	Projected Annual Average Number of Program Participants	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level %
2025	471,816	59,921	2,016	2,016	3.36%
2026	478,378	60,754	2,014	4,030	6.63%
2027	484,999	61,595	2,016	6,046	9.82%
2028	491,581	62,431	2,015	8,061	12.91%
2029	498,008	63,248	2,013	10,074	15.93%
2030	504,200	64,034	2,013	12,087	18.88%
2031	510,096	64,783	2,011	14,098	21.76%
2032	515,659	65,489	2,011	16,109	24.60%
2033	520,867	66,151	2,011	18,120	27.39%
2034	525,689	66,763	2,010	20,130	30.15%

Table 2-8
Residential Neighborhood Energy Efficiency Program
kW and kWh Reductions (at the Meter)

Calendar Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2025	841	0.20	0.11	1,694,714	401.5	229.6
2026	842	0.20	0.11	1,694,935	401.5	228.5
2027	842	0.20	0.11	1,696,730	401.9	227.6
2028	843	0.20	0.11	1,697,955	402.1	226.6
2029	843	0.20	0.11	1,697,390	401.8	225.3
2030	843	0.20	0.11	1,697,590	401.7	224.2
2031	845	0.20	0.11	1,698,596	401.8	223.2
2032	845	0.20	0.11	1,699,614	402.0	222.2
2033	846	0.20	0.11	1,700,648	402.1	221.3
2034	846	0.20	0.11	1,701,264	402.1	220.4

Table 2-9
Residential Neighborhood Energy Efficiency Program
kW and kWh Reductions (at the Generator)

Calendar Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2025	874	0.21	0.12	1,762,502	417.6	238.8
2026	875	0.21	0.12	1,762,733	417.6	237.6
2027	875	0.21	0.12	1,764,599	417.9	236.7
2028	876	0.21	0.12	1,765,873	418.1	235.6
2029	877	0.21	0.12	1,765,286	417.9	234.4
2030	877	0.21	0.12	1,765,493	417.8	233.2
2031	878	0.21	0.12	1,766,540	417.9	232.2
2032	879	0.21	0.11	1,767,598	418.0	231.1
2033	879	0.21	0.11	1,768,674	418.2	230.2
2034	880	0.21	0.11	1,769,315	418.2	229.2

2.4.3 Summary of Assumptions for Estimates

Projected participation estimates for the NEE Program were developed based on estimated market adoption rates that were, in turn, based on incentive amounts for the Program measures and the Bass Diffusion Model, which is a mathematical description of how new product adoption and penetration occurs over time given specified economic input values. Adoption curve input parameters were developed for each measure based on specific criteria, including measure maturity in the market, overall measure cost and simple payback for the customer, and whether the measure was currently offered through JEA's DSM programs, as well as incorporation of stipulated program targets pursuant to the stipulated increases in goals approved by the PSC in the JEA Goals Order. Customer eligibility was based on forecasted customer counts from JEA's 2023 Ten Year Site Plan[3] and the population of JEA customers estimated to be eligible for measures included in the program. Per-participant kW and kWh reductions were based on estimated savings per installed measure consistent with the technical potential study developed for the 2024 FEECA goalsetting proceedings (Docket No. 20240016-EG), and total kW and kWh savings were calculated using Resource Innovations' Technical Economic and Achievable Potential (TEA-POT) Model by applying the annual participation values estimated using the adoption curves to the per-participant savings for each measure in the program.

2.4.4 Methodology for Measuring Actual kW and kWh Savings

[3] 2023 Ten-Year Site Plan was used for the 2024 FEECA goalsetting proceedings as it was the most current at the time the technical potential study was conducted.

The Neighborhood Energy Efficiency Program includes a wide range of cost-saving measures, including various behavioral and technological recommendations that may be implemented by the customer. JEA anticipates that using readily available direct installation data in conjunction with site-specific engineering estimates will likely be the most cost-effective method for evaluating program impacts. JEA may require pre and post installation inspections, telephone surveys, and measurement of the project performance and/or verification.

2.4.5 Program Administrative Policies and Procedures

The Residential NEE Program is available to low-income customers in disadvantaged neighborhoods. JEA identifies qualifying neighborhoods as having 50 percent or more of the residents living at or below 150 percent of the Federal Poverty guidelines within the U.S. Census Bureau Tract. Once a neighborhood has been identified, all residents will receive postcards explaining the NEE program and when to expect NEE crews in the neighborhood. All installed measures and behavioral education under the Residential NEE Program are provided by JEA at no cost to participating customers.

2.4.6 Program Cost-Effectiveness

The following summarizes the cost-effectiveness of the Residential NEE Program for the cost-effectiveness tests as required pursuant to Rule 25-17.008, Florida Administrative Code. Additional information related to the cost-effectiveness evaluations is included in Appendix A to JEA's 2025 DSM Plan.

- Participant Test: the program is cost-effective to participating customers (benefit-cost ratio of 5.7)
- Total Resource Cost Test: the program is cost-effective from the Total Resource Cost Test perspective (benefit-cost ratio of 1.2)
- Rate Impact Measure Test: the program is not cost-effective from the Rate Impact Measure Test perspective (benefit-cost ratio of 0.4)

3.0 Commercial/Industrial DSM Programs

3.1 Overview

The JEA 2025 DSM Plan includes one Commercial/Industrial DSM program focused on Lighting incentives (rebates) to promote the retrofit installation of energy efficient lighting and occupancy sensors. The Commercial/Industrial Prescriptive Lighting Rebates Program is described further in the following section.

3.2 Commercial/Industrial Prescriptive Lighting Rebates Program

JEA has been offering its Commercial/Industrial Prescriptive Lighting Rebates Program since 2009 and will continue offering it as part of JEA's 2025 DSM Plan. The Program consists of incentives (rebates) for customers to install energy efficient lighting and occupancy sensors.

3.2.1 Lighting Rebates

JEA currently rebates for lighting equipment installed as part of a retrofit project in the amount of $0.12 per Watt reduced ($0.18 per Watt reduced for small businesses); this rebate amount is subject to adjustment in the future at JEA's discretion to drive adoption and ensure the continuity of the program.

3.2.2 Occupancy Sensor Rebates

JEA currently provides rebates for the installation of occupancy sensors in the amount of $10 – $30 depending on the type of occupancy control and a custom rebate amount for dimming and standard ballasts applications. This rebate amount is subject to adjustment in the future at JEA's discretion to drive adoption and ensure the continuity of the program.

3.2.3 Customer Participation and kW and kWh Reductions

The estimated customer participation and kW and kWh reductions associated with JEA's Commercial/Industrial Prescriptive Lighting Rebates Program are presented in Tables 3-1 through 3-3 for each year of the 2025 through 2034 period reflected in JEA's 2025 DSM Plan.

Table 3-1 Commercial/Industrial Prescriptive Lighting Rebates Program Participation					
Calendar Year	Total Number of Customers	Total Number of Eligible Customers	Projected Annual Average Number of Program Participants	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level %
2025	57,800	57,800	38	38	0.07%
2026	58,524	58,524	40	78	0.13%
2027	59,240	59,240	41	119	0.20%
2028	59,949	59,949	42	161	0.27%
2029	60,649	60,649	44	205	0.34%
2030	61,342	61,342	45	250	0.41%
2031	62,027	62,027	46	296	0.48%
2032	62,705	62,705	45	341	0.54%
2033	63,376	63,376	45	386	0.61%
2034	64,038	64,038	45	431	0.67%

Table 3-2 Commercial/Industrial Prescriptive Lighting Rebates Program kW and kWh Reductions (at the Meter)						
Calendar Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2025	88,065	9.64	11.48	3,346,479	366.2	436.1
2026	89,053	9.66	11.67	3,562,102	386.5	466.8
2027	91,976	9.89	12.13	3,771,034	405.4	497.3
2028	94,649	10.08	12.57	3,975,247	423.3	527.8
2029	94,746	9.99	12.66	4,168,839	439.7	557.2
2030	96,311	10.07	12.95	4,333,987	453.4	582.6
2031	96,601	10.05	13.03	4,443,628	462.2	599.5
2032	99,341	10.32	13.41	4,470,367	464.2	603.5
2033	97,840	10.19	13.17	4,402,820	458.5	592.7
2034	94,600	9.92	12.66	4,256,986	446.5	569.5

Table 3-3
Commercial/Industrial Prescriptive Lighting Rebates Program
kW and kWh Reductions (at the Generator)

Calendar Year	Per Customer kWh Reduction	Per Customer Winter kW Reduction	Per Customer Summer kW Reduction	Total Annual kWh Reduction	Total Annual Winter kW Reduction	Total Annual Summer kW Reduction
2025	91,588	10.02	11.94	3,480,338	380.8	453.6
2026	92,615	10.05	12.14	3,704,586	401.9	485.5
2027	95,655	10.28	12.62	3,921,875	421.6	517.2
2028	98,435	10.48	13.07	4,134,257	440.2	548.9
2029	98,536	10.39	13.17	4,335,593	457.3	579.5
2030	100,163	10.48	13.46	4,507,347	471.5	605.9
2031	100,465	10.45	13.55	4,621,373	480.7	623.5
2032	103,315	10.73	13.95	4,649,181	482.8	627.6
2033	101,754	10.60	13.70	4,578,933	476.9	616.4
2034	98,384	10.32	13.16	4,427,265	464.3	592.3

3.2.4 Summary of Assumptions for Estimates

Projected participation estimates for the Commercial/Industrial Prescriptive Lighting Rebates Program were developed based on estimated market adoption rates that were, in turn, based on incentive amounts for the Program measures and the Bass Diffusion Model, which is a mathematical description of how new product adoption and penetration occurs over time given specified economic input values. Adoption curve input parameters were developed for each measure based on specific criteria, including measure maturity in the market, overall measure cost and simple payback for the customer, and whether the measure was currently offered through JEA's DSM programs. Customer eligibility was based on forecasted customer counts from JEA's 2023 Ten Year Site Plan[4] and the population of JEA customers eligible for measures included in the program. Per-participant kW and kWh reductions were based on estimated savings per installed measure consistent with the technical potential study developed for the 2024 FEECA goal setting proceedings (Docket No. 20240016-EG), and total kW and kWh savings were calculated using Resource Innovations' Technical Economic and Achievable Potential (TEA-POT) Model by applying the annual

[4] 2023 Ten-Year Site Plan was used for the 2024 FEECA goalsetting proceedings as it was the most current at the time the technical potential study was conducted.

participation values estimated using the adoption curves to the per-participant savings for each measure in the program. .

3.2.5 Methodology for Measuring Actual kW and kWh Savings

JEA anticipates that utilizing participant pre-project and post-installation energy consumption data to conduct a statistical analysis to assess the program impacts will be the most cost-effective evaluation method. Additional data such as weather data, building occupancy, operating hours, major equipment purchases, and other data may be used with this methodology. Site specific engineering estimates may be considered as an alternative to statistical analysis if it is cost-effective to develop them. JEA may require pre- and post- installation inspections, telephone surveys, and measurement of the project performance and/or verification.

3.2.6 Program Administrative Policies and Procedures

3.2.6.1 Lighting

JEA offers rebates for lighting equipment installed as part of a retrofit project. Lighting retrofit project applicants must submit a lighting workbook and be pre-approved prior to equipment purchase and installation. Lighting equipment that results in verifiable installed wattage reduction is eligible for rebates, provided that the following criteria are met:

- LED light fixtures and retrofit kits must be qualified as Design Light Consortium (DLC) or Energy Star. The list of DLC qualified products can be found on the following website: www.designlights.org/QPL.
- Type A tube LEDs that use existing ballast are not eligible for rebates. Type B tube LEDs that use line voltage via lamp holders should install new lamp holders as part of retrofit. Type C tube LEDs that use a dedicated external driver shall submit technical specifications for the power supply/driver being used.
- Rebates are currently capped at 50% net customer cost and $100,000 per customer per program year.

The following exclusions apply to the Commercial/Industrial Prescriptive Lighting Rebates Program:

- Measures with energy savings due solely to behavioral changes.
- T12 fluorescent lighting.
- Incandescent and screw-in compact fluorescent lamps (CFLs).
- Screw-in LED lamps.
- Standard metal halide, mercury vapor, or any high-pressure sodium lighting.
- De-lamping without upgrading to qualifying lighting equipment.
- Pin based LED replacing compact fluorescent using fluorescent ballasts.
- Exit sign replacement.

3.2.6.2 Occupancy Sensors

JEA offers rebates for the installation of occupancy sensors, subject to meeting the following criteria:

- Retrofit installations, where not required by ASHRAE 90.1-2004, are eligible.
- Sensors must be new and installed in a manner that meets or exceeds code regulations.
- Sensors or control must be hard-wired and permanently installed (no plug-based sensors).
- Installations must comply with manufacturer's guidelines on coverage and maximum controlled watts.
- Sensors can be passive infrared, ultrasonic, or dual technology.
- Wall or fixture mounted sensors must control a minimum of 200 watts.
- Ceiling mounted sensors must control a minimum of 400 watts.

Occupancy sensors or installations with the ability to disable sensor functions (other than for maintenance) are not eligible for rebates under this Program.

3.2.7 Program Cost-Effectiveness

The following summarizes the cost-effectiveness of the Commercial/Industrial Prescriptive Lighting Rebates Program for the cost-effectiveness tests as required pursuant to Rule 25-17.008, Florida Administrative Code. Additional information related to the cost-effectiveness evaluations is included in Appendix A to JEA's 2025 DSM Plan.

- Participant Test: the program is cost-effective to participating customers (benefit-

cost ratio of 2.8)

- Total Resource Cost Test: the program is cost-effective from the Total Resource Cost Test perspective (benefit-cost ratio of 1.1)
- Rate Impact Measure Test: the program is not cost-effective from the Rate Impact Measure Test perspective (benefit-cost ratio of 0.4)

Appendix A

This appendix presents the results of the cost-effectiveness test performed on the Demand- Side Management (DSM) programs described in JEA's 2025 DSM Plan. The cost-effectiveness tests were performed by Resource Innovations, and the results reported here are the same as those upon which JEA's proposed and PSC-approved FEECA Goals are based. Resource Innovations utilized the same model used for the analyses that supported the goals established by PSC Order No. PSC-2024-0432-FOF-EG issued in Docket No. 20240016-EG on September 20, 2024 (JEA Goals Order). The results of the cost-effectiveness analyses presented herein are provided in a format that is consistent with the requirements of the *Florida Public Service Commission Cost Effectiveness Manual For Demand Side Management Programs and Self-Service Wheeling Proposals*, which is incorporated by reference into Rule 27-17.008, Florida Administrative Code.

A.1 Summary of Cost-Effectiveness Results

Table A-1 summarizes the results of the cost-effectiveness evaluations of JEA's Residential and Commercial/Industrial DSM Programs. The cost-effectiveness results presented in Table A-1 reflect the projected program participation and demand and energy reductions for the 2025 through 2034 period presented previously in JEA's 2025 DSM Plan. Additional information related to the cost-effectiveness evaluations is included in the remainder of this Appendix A.

Table A-1
Summary of Cost-Effectiveness Evaluations for JEA's 2025 DSM Plan Programs

Program	Participant Test	Total Resources Cost Test	Rate Impact Measure Test
Residential Home Efficiency Upgrades Rebates	1.2	0.8	0.5
Residential Energy Efficient Products Rebates	3.9	1.5	0.6
Residential Neighborhood Efficiency	5.7	1.2	0.4
Commercial/Industrial Prescriptive Lighting Rebates	2.8	1.1	0.4

INPUT DATA -- PART 1

PROGRAM: Residential Home Efficiency Upgrades Rebates

I. PROGRAM DEMAND SAVINGS AND LINE LOSSES

(1) CUSTOMER KW REDUCTION AT THE METER	0.18	KW /CUST
(2) GENERATOR KW REDUCTION PER CUSTOMER	0.19	KW GEN/CUST
(3) KW LINE LOSS PERCENTAGE	4.0	%
(4) GENERATION KWH REDUCTION PER CUSTOMER	443	KWH/CUST/YR
(5) KWH LINE LOSS PERCENTAGE	4.0	%
(6) GROUP LINE LOSS MULTIPLIER	1.0	
(7) CUSTOMER KWH PROGRAM INCREASE AT METER	0.0	KWH/CUST/YR
(8)* CUSTOMER KWH REDUCTION AT METER	426	KWH/CUST/YR

II. ECONOMIC LIFE AND K FACTORS

(1) STUDY PERIOD FOR CONSERVATION PROGRAM	10	YEARS
(2) GENERATOR ECONOMIC LIFE	25	YEARS
(3) T & D ECONOMIC LIFE	25	YEARS
(4) K FACTOR FOR GENERATION	1.09	
(5) K FACTOR FOR T & D	0	
(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	

III. UTILITY AND CUSTOMER COSTS (2025 BASE YEAR)

(1)** UTILITY NONRECURRING COST PER CUSTOMER	81	$/CUST
(2)** UTILITY RECURRING COST PER CUSTOMER	0.0	$/CUST/YR
(3) UTILITY COST ESCALATION RATE	3.0	%
(4) CUSTOMER EQUIPMENT COST	1,073	$/CUST
(5) CUSTOMER EQUIPMENT ESCALATION RATE	3.0	%
(6) CUSTOMER O & M COST	0.0	$/CUST/YR
(7) CUSTOMER O & M ESCALATION RATE	3.0	%
(8)* CUSTOMER TAX CREDIT PER INSTALLATION	430	$/CUST
(9)* CUSTOMER TAX CREDIT ESCALATION RATE	3.0	%
(10)* INCREASED SUPPLY COSTS	0.0	$/CUST/YR
(11)* SUPPLY COSTS ESCALATION RATE	3.0	%
(12)* UTILITY DISCOUNT RATE	4.0	%
(13)* UTILITY AFUDC RATE	4.0	%
(14)* UTILITY NON RECURRING REBATE/INCENTIVE	213	$/CUST
(15)* UTILITY RECURRING REBATE/INCENTIVE	0.0	$/CUST/YR
(16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0	%

IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS

(1) BASE YEAR	2025	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2030	
(3) IN-SERVICE YEAR FOR AVOIDED T & D	2030	
(4) BASE YEAR AVOIDED GENERATING UNIT COST	1,246	$/KW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0	$/KW
(6) BASE YEAR DISTRIBUTION COST	0	$/KW
(7) GEN, TRAN, & DIST COST ESCALATION RATE	3.0	%
(8) BASE YEAR GENERATOR FIXED O & M COST	6.23	$/KW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	3.0	%
(10) BASE YEAR TRANSMISSION FIXED O & M COST	0	$/KW/YR
(11) BASE YEAR DISTRIBUTION FIXED O & M COST	0	$/KW/YR
(12) T&D FIXED O&M ESCALATION RATE	3.0	%
(13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS	0	CENTS/KWH
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	3.0	%
(15) GENERATOR CAPACITY FACTOR	75	%
(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	4.03	CENTS/KWH
(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	3.0	%
(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0	$/KW/YR
(19)* CAPACITY COST ESCALATION RATE	3.0	%

V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)

(1) NON-FUEL COST IN CUSTOMER BILL	6.55	CENTS/KWH
(2) NON-FUEL ESCALATION RATE	1.0	%
(3) CUSTOMER DEMAND CHARGE PER KW	0.0	$/KW/MO
(4) DEMAND CHARGE ESCALATION RATE	1.0	%
(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	1.0	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

** NONRECURRING & RECURRING COSTS IN INPUTS III.(1 & 2) DO NOT INCLUDE CUSTOMER REBATES PAID BY THE UTILITY. UTILITY REBATES ARE INPUT IN III.(14 & 15).

INPUT DATA -- PART 2

PROGRAM: Residential Home Efficiency Upgrades Rebates

* Avoided Generation Unit: Advanced Class Combined Cycle (2030 In-Service Year)

* Program Generation Equivalency Factor: 1.00

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COSTS (C/KWH)	(5) AVOIDED MARGINAL FUEL COST (C/KWH)	(6) INCREASED MARGINAL FUEL COST (C/KWH)	(7) REPLACEMENT FUEL COST (C/KWH)	(8) PROGRAM KW EFFECTIVENESS FACTOR	(9) PROGRAM KWH EFFECTIVENESS FACTOR
2025	2,442	2,442	3.02	4.69	3.02	3.02	1	1
2026	5,103	5,103	3.14	4.61	3.14	3.14	1	1
2027	7,986	7,986	3.07	4.89	3.07	3.07	1	1
2028	11,087	11,087	3.01	5.14	3.01	3.01	1	1
2029	14,395	14,395	3.19	5.43	3.19	3.19	1	1
2030	17,891	17,891	2.29	5.10	2.29	2.55	1	1
2031	21,555	21,555	2.44	5.40	2.44	2.71	1	1
2032	25,366	25,366	2.70	5.59	2.70	2.98	1	1
2033	29,304	29,304	2.98	5.85	2.98	3.30	1	1
2034	33,352	33,352	3.19	6.01	3.19	3.49	1	1

INPUTS FOR OTHER COSTS & BENEFITS - EXTERNALLY CALC., FORMS 2.3, 2.4, & 2.5

	(1)	(2)	(3)	(4)	(5)	(6)
	<-- FORM 2.3 --->		<-- FORM 2.4 --->		<-- FORM 2.5 --->	
	Total Resource Test		Participants Test		Rate Impact Test	
	OTHER COSTS ($000)	OTHER BENEFITS ($000)	OTHER COSTS ($000)	OTHER BENEFITS ($000)	OTHER COSTS ($000)	OTHER BENEFITS ($000)
2025	0.0	1,050	0.0	0.0	0.0	0.0
2026	0.0	1,210	0.0	0.0	0.0	0.0
2027	0.0	1,383	0.0	0.0	0.0	0.0
2028	0.0	1,560	0.0	0.0	0.0	0.0
2029	0.0	1,732	0.0	0.0	0.0	0.0
2030	0.0	1,888	0.0	0.0	0.0	0.0
2031	0.0	2,022	0.0	0.0	0.0	0.0
2032	0.0	2,133	0.0	0.0	0.0	0.0
2033	0.0	2,220	0.0	0.0	0.0	0.0
2034	0.0	2,290	0.0	0.0	0.0	0.0

CALCULATION OF AFUDC AND IN-SERVICE COST OF PLANT

PLANT: Advanced Class Combined Cycle (2030 On-Line Date)

(1) YEAR	(2) NO. YEARS BEFORE IN-SERVICE	(3) PLANT ESCALATION RATE (%)	(4) CUMULATIVE ESCALATION FACTOR	(5) YEARLY EXPENDITURE (%)	(6) ANNUAL SPENDING ($/KW)	(7) CUMULATIVE AVERAGE SPENDING ($/KW)	(8) CUMULATIVE SPENDING WITH AFUDC ($/KW)	(9) YEARLY TOTAL AFUDC ($/KW)	(10) INCREMENTAL YEAR-END BOOK VALUE ($/KW)	(11) CUMULATIVE YEAR-END BOOK VALUE ($/KW)
2025	5	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2026	4	3.0%	3.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2027	3	3.0%	6.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2028	2	3.0%	9.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2029	1	3.0%	12.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2030	0	3.0%	15.9%	N/A	1,445	1,445	1,445	N/A	1,445	1,445
2031										
2032										
2033										
2034										

Note: JEA's Avoided Unit is an advanced-class combined cycle with an On-line Date of 2030. The capital cost of the Avoided Unit is shown in 2030 dollars, inclusive of interest during construction and escalation.

IN-SERVICE YEAR =	2030
PLANT COSTS (2025 $)	$748,510,000
AFUDC RATE	N/A - See Note above

AVOIDED GENERATION UNIT BENEFITS

PROGRAM: Residential Home Efficiency Upgrades Rebates

* UNIT SIZE OF AVOIDED GENERATION UNIT = 518 kW

* INSERVICE COSTS OF AVOIDED GEN. UNIT (000) = $1,445

(1) Year	(1A)* VALUE OF DEFERRAL FACTOR	(2) AVOIDED GEN UNIT CAPACITY COST ($000)	(2A) AVOIDED ANNUAL UNIT KWH GEN (000)	(3) AVOIDED UNIT FIXED O&M COST ($000)	(4) AVOIDED GEN UNIT VARIABLE O&M COST ($000)	(5) AVOIDED GEN UNIT FUEL COST ($000)	(6) REPLACEMENT FUEL COST ($000)	(6A) AVOIDED PURCHASED CAPACITY COSTS ($000)	(7) AVOIDED GEN UNIT BENEFITS ($000)
2025	0	0	0	0	0	0	0	0	317
2026	0	0	0	0	0	0	0	0	349
2027	0	0	0	0	0	0	0	0	382
2028	0	0	0	0	0	0	0	0	415
2029	0	0	0	0	0	0	0	0	446
2030	0	52,396	3,578,351	3,932	8,874	144,208	161,028	0	474
2031	0	52,396	3,578,351	4,050	9,141	151,722	168,217	0	499
2032	0	52,396	3,578,351	4,172	9,415	157,805	174,301	0	520
2033	0	52,396	3,578,351	4,297	9,697	165,320	183,185	0	538
2034	0	52,396	3,578,351	4,426	9,988	169,972	185,835	0	553
NOMINAL	0	261,979	17,891,753	20,878	47,115	789,026	872,566	0	4,493
NPV		199,389		15,853	35,776	598,573	662,169	0	3,717

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D AND PROGRAM FUEL BENEFITS

PROGRAM: Residential Home Efficiency Upgrades Rebates

* INSERVICE COSTS OF AVOIDED TRANS. (000) = $0

* INSERVICE COSTS OF AVOIDED DIST. (000) = $0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Year	AVOIDED TRANSMISSION CAPACITY COST ($000)	AVOIDED TRANSMISSION O&M COST ($000)	TOTAL AVOIDED TRANSMISSION COST ($000)	AVOIDED DISTRIBUTION CAPACITY COST ($000)	AVOIDED DISTRIBUTION O&M COST ($000)	TOTAL AVOIDED DISTRIBUTION COST ($000)	PROGRAM FUEL SAVINGS ($000)
2025	0	0	0	0	0	0	602
2026	0	0	0	0	0	0	688
2027	0	0	0	0	0	0	781
2028	0	0	0	0	0	0	875
2029	0	0	0	0	0	0	967
2030	0	0	0	0	0	0	1,050
2031	0	0	0	0	0	0	1,121
2032	0	0	0	0	0	0	1,179
2033	0	0	0	0	0	0	1,225
2034	0	0	0	0	0	0	1,261
NOMINAL	0	0	0	0	0	0	9,749
NPV	0	0	0	0	0	0	8,016

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET : DSM PROGRAM FUEL SAVINGS

PROGRAM: Residential Home Efficiency Upgrades Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)
YEAR	REDUCTION IN KWH GENERATION NET NEW CUST KWH (000)	AVOIDED MARGINAL FUEL COST - REDUCED KWH $(000)	INCREASE IN KWH GENERATION NET NEW CUST KWH (000)	INCREASED MARGINAL FUEL COST - INCREASE KWH $(000)	NET AVOIDED FUEL SAVINGS $(000)	EFFECTIVE PROGRAM FUEL SAVINGS $(000)
2025	1,081	602	0	0	602	602
2026	1,243	688	0	0	688	688
2027	1,418	781	0	0	781	781
2028	1,597	875	0	0	875	875
2029	1,770	967	0	0	967	967
2030	1,928	1,050	0	0	1,050	1,050
2031	2,062	1,121	0	0	1,121	1,121
2032	2,172	1,179	0	0	1,179	1,179
2033	2,258	1,225	0	0	1,225	1,225
2034	2,326	1,261	0	0	1,261	1,261
NOMINAL	17,855	9,749	0	0	9,749	9,749
NPV		8,016	0	0	8,016	8,016

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET: UTILITY COSTS, PARTICIPANT COSTS, AND REV LOSS/GAIN

PROGRAM: Residential Home Efficiency Upgrades Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	<----------UTILITY PROGRAM COSTS & REBATES---------->						<---------- PARTICIPATING CUSTOMER COSTS & BENEFITS---------->										
YEAR	UTIL NONREC. COSTS $(000)	UTIL RECUR COSTS $(000)	TOTAL UTIL PGM COSTS $(000)	UTIL NONREC. REBATES $(000)	UTIL RECUR. REBATES $(000)	TOTAL REBATE/INCENT. COSTS $(000)	PARTIC. CUST EQUIP COSTS $(000)	PARTIC. CUST O&M COSTS $(000)	TOTAL PARTIC. CUST COSTS $(000)	REDUCT. IN CUST. KWH (000)	RED. REV. - FUEL PORTION $(000)	RED. REV. NONFUEL PORTION $(000)	EFFECT REV. REDUCT. IN BILL $(000)	INC. IN CUST. KWH (000)	INC. REV. - FUEL PORTION $(000)	INC. REV. NONFUEL PORTION $(000)	EFFECT. REVENUE INC. IN BILL $(000)
2025	717	0	717	520	0	520	2,621	0	2,621	1,039	441	693	1,134	0	0	0	0
2026	800	0	800	574	0	574	2,875	0	2,875	1,196	506	794	1,300	0	0	0	0
2027	888	0	888	630	0	630	3,132	0	3,132	1,363	575	903	1,479	0	0	0	0
2028	976	0	976	685	0	685	3,386	0	3,386	1,535	646	1,015	1,662	0	0	0	0
2029	1,061	0	1,061	739	0	739	3,628	0	3,628	1,702	715	1,124	1,839	0	0	0	0
2030	1,138	0	1,138	787	0	787	3,849	0	3,849	1,854	778	1,222	2,000	0	0	0	0
2031	1,205	0	1,205	830	0	830	4,044	0	4,044	1,983	832	1,306	2,138	0	0	0	0
2032	1,261	0	1,261	866	0	866	4,212	0	4,212	2,088	875	1,375	2,250	0	0	0	0
2033	1,308	0	1,308	897	0	897	4,356	0	4,356	2,171	910	1,429	2,338	0	0	0	0
2034	1,346	0	1,346	923	0	923	4,479	0	4,479	2,237	937	1,471	2,408	0	0	0	0
NOMINAL	10,700	0	10,700	7,450	0	7,450	36,583	0	36,583	17,168	7,215	11,333	18,548	0	0	0	0
NPV	8,829	0	8,829	6,159	0	6,159	30,283	0	30,283		5,930	9,314	15,244		0	0	0

TOTAL RESOURCE COST TEST

PROGRAM: Residential Home Efficiency Upgrades Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Year	Increased Supply Costs $(000)	Utility Program Costs $(000)	Participant Program Costs $(000)	Other Costs $(000)	Total Costs $(000)	Avoided Gen Unit Benefits $(000)	Avoided T&D Benefits $(000)	Program Fuel Savings $(000)	Other Benefits $(000)	Total Benefits $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	0	197	2,621	0	2,818	317	0	602	1,050	1,969	(849)	(849)
2026	0	226	2,875	0	3,101	349	0	688	1,210	2,248	(853)	(821)
2027	0	258	3,132	0	3,390	382	0	781	1,383	2,545	(845)	(781)
2028	0	291	3,386	0	3,677	415	0	875	1,560	2,849	(827)	(735)
2029	0	322	3,628	0	3,950	446	0	967	1,732	3,144	(806)	(689)
2030	0	351	3,849	0	4,200	474	0	1,050	1,888	3,412	(788)	(647)
2031	0	375	4,044	0	4,420	499	0	1,121	2,022	3,643	(777)	(614)
2032	0	395	4,212	0	4,608	520	0	1,179	2,133	3,832	(776)	(589)
2033	0	411	4,356	0	4,767	538	0	1,225	2,220	3,983	(784)	(573)
2034	0	423	4,479	0	4,903	553	0	1,261	2,290	4,104	(799)	(561)
NOMINAL	0	3,250	36,583	0	39,833	4,493	0	9,749	17,487	31,729	(8,103)	
NPV	0	2,670	30,283	0	32,953	3,717	0	8,016	14,360	26,093	(6,860)	
Discount Rate	4%											
Benefit/Cost	0.79											

PARTICIPANT COST TEST

PROGRAM: Residential Home Efficiency Upgrades Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Year	Savings in Participants Bills $(000)	Tax Credits $(000)	Utility Rebates $(000)	Other Benefits $(000)	Total Benefits $(000)	Customer Equipment Costs $(000)	Customer O&M Costs $(000)	Other Costs $(000)	Total Costs $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	1,134	1,050	520	0	2,704	2,621	0	0	2,621	82	82
2026	1,300	1,210	574	0	3,084	2,875	0	0	2,875	210	202
2027	1,479	1,383	630	0	3,491	3,132	0	0	3,132	359	332
2028	1,662	1,560	685	0	3,907	3,386	0	0	3,386	521	463
2029	1,839	1,732	739	0	4,309	3,628	0	0	3,628	681	582
2030	2,000	1,888	787	0	4,675	3,849	0	0	3,849	826	679
2031	2,138	2,022	830	0	4,990	4,044	0	0	4,044	945	747
2032	2,250	2,133	866	0	5,249	4,212	0	0	4,212	1,036	787
2033	2,338	2,220	897	0	5,456	4,356	0	0	4,356	1,100	804
2034	2,408	2,290	923	0	5,621	4,479	0	0	4,479	1,141	802
Nominal	18,548	17,487	7,450	0	43,485	36,583	0	0	36,583	6,902	
NPV	15,244	14,360	6,159	0	35,763	30,283	0	0	30,283	5,480	
Discount Rate	4%										
Benefit/Cost	1.18										

RATE IMPACT TEST

PROGRAM: Residential Home Efficiency Upgrades Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Year	Increased Supply Costs $(000)	Utility Program Costs $(000)	Incentives $(000)	Revenue Losses $(000)	Other Costs $(000)	Total Costs $(000)	Avoided Gen Unit & Fuel Benefits $(000)	Avoided T&D Benefits $(000)	Revenue Gains $(000)	Other Benefits $(000)	Total Benefits $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	0	197	520	1,134	0	1,851	919	0	0	0	919	-932	-932
2026	0	226	574	1,300	0	2,100	1,037	0	0	0	1,037	-1,063	-1,022
2027	0	258	630	1,479	0	2,366	1,162	0	0	0	1,162	-1,204	-1,113
2028	0	291	685	1,662	0	2,638	1,290	0	0	0	1,290	-1,348	-1,198
2029	0	322	739	1,839	0	2,900	1,413	0	0	0	1,413	-1,487	-1,271
2030	0	351	787	2,000	0	3,138	1,524	0	0	0	1,524	-1,613	-1,326
2031	0	375	830	2,138	0	3,343	1,620	0	0	0	1,620	-1,722	-1,361
2032	0	395	866	2,250	0	3,511	1,699	0	0	0	1,699	-1,812	-1,377
2033	0	411	897	2,338	0	3,646	1,763	0	0	0	1,763	-1,883	-1,376
2034	0	423	923	2,408	0	3,754	1,814	0	0	0	1,814	-1,940	-1,363
Nominal	0	3,250	7,450	18,548	0	29,247	14,242		0	0	14,242	-15,005	
NPV	0	2,670	6,159	15,244	0	24,073	11,733		0	0	11,733	-12,340	
Discount Rate	4%												
Benefit/Cost	0.49												

INPUT DATA -- PART 1

PROGRAM: Residential Energy Efficiency Products Rebates

I. PROGRAM DEMAND SAVINGS AND LINE LOSSES

(1) CUSTOMER KW REDUCTION AT THE METER	0.16	KW /CUST
(2) GENERATOR KW REDUCTION PER CUSTOMER	0.17	KW GEN/CUST
(3) KW LINE LOSS PERCENTAGE	4.0	%
(4) GENERATION KWH REDUCTION PER CUSTOMER	445	KWH/CUST/YR
(5) KWH LINE LOSS PERCENTAGE	4.0	%
(6) GROUP LINE LOSS MULTIPLIER	1.0	
(7) CUSTOMER KWH PROGRAM INCREASE AT METER	0.0	KWH/CUST/YR
(8)* CUSTOMER KWH REDUCTION AT METER	428	KWH/CUST/YR

II. ECONOMIC LIFE AND K FACTORS

(1) STUDY PERIOD FOR CONSERVATION PROGRAM	10	YEARS
(2) GENERATOR ECONOMIC LIFE	25	YEARS
(3) T & D ECONOMIC LIFE	25	YEARS
(4) K FACTOR FOR GENERATION	1.09	
(5) K FACTOR FOR T & D	0	
(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	

III. UTILITY AND CUSTOMER COSTS (2025 BASE YEAR)

(1)** UTILITY NONRECURRING COST PER CUSTOMER	81	$/CUST
(2)** UTILITY RECURRING COST PER CUSTOMER	0.0	$/CUST/YR
(3) UTILITY COST ESCALATION RATE	3.0	%
(4) CUSTOMER EQUIPMENT COST	108	$/CUST
(5) CUSTOMER EQUIPMENT ESCALATION RATE	3.0	%
(6) CUSTOMER O & M COST	0.0	$/CUST/YR
(7) CUSTOMER O & M ESCALATION RATE	3.0	%
(8)* CUSTOMER TAX CREDIT PER INSTALLATION	0	$/CUST
(9)* CUSTOMER TAX CREDIT ESCALATION RATE	3.0	%
(10)* INCREASED SUPPLY COSTS	0.0	$/CUST/YR
(11)* SUPPLY COSTS ESCALATION RATE	3.0	%
(12)* UTILITY DISCOUNT RATE	4.0	%
(13)* UTILITY AFUDC RATE	4.0	%
(14)* UTILITY NON RECURRING REBATE/INCENTIVE	40	$/CUST
(15)* UTILITY RECURRING REBATE/INCENTIVE	0.0	$/CUST/YR
(16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0	%

IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS

(1) BASE YEAR	2025	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2030	
(3) IN-SERVICE YEAR FOR AVOIDED T & D	2030	
(4) BASE YEAR AVOIDED GENERATING UNIT COST	1,246	$/KW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0	$/KW
(6) BASE YEAR DISTRIBUTION COST	0	$/KW
(7) GEN, TRAN, & DIST COST ESCALATION RATE	3.0	%
(8) BASE YEAR GENERATOR FIXED O & M COST	6.23	$/KW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	3.0	%
(10) BASE YEAR TRANSMISSION FIXED O & M COST	0	$/KW/YR
(11) BASE YEAR DISTRIBUTION FIXED O & M COST	0	$/KW/YR
(12) T&D FIXED O&M ESCALATION RATE	3.0	%
(13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS	0	CENTS/KWH
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	3.0	%
(15) GENERATOR CAPACITY FACTOR	75	%
(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	4.03	CENTS/KWH
(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	3.0	%
(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0	$/KW/YR
(19)* CAPACITY COST ESCALATION RATE	3.0	%

V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)

(1) NON-FUEL COST IN CUSTOMER BILL	6.55	CENTS/KWH
(2) NON-FUEL ESCALATION RATE	1.0	%
(3) CUSTOMER DEMAND CHARGE PER KW	0.0	$/KW/MO
(4) DEMAND CHARGE ESCALATION RATE	1.0	%
(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	1.0	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

** NONRECURRING & RECURRING COSTS IN INPUTS III.(1 & 2) DO NOT INCLUDE CUSTOMER REBATES PAID BY THE UTILITY. UTILITY REBATES ARE INPUT IN III.(14 & 15).

INPUT DATA -- PART 2

PROGRAM: Residential Energy Efficiency Products Rebates

* Avoided Generation Unit: Advanced Class Combined Cycle (2030 In-Service Year)

* Program Generation Equivalency Factor: 1.00

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COSTS (C/KWH)	(5) AVOIDED MARGINAL FUEL COST (C/KWH)	(6) INCREASED MARGINAL FUEL COST (C/KWH)	(7) REPLACEMENT FUEL COST (C/KWH)	(8) PROGRAM KW EFFECTIVENESS FACTOR	(9) PROGRAM KWH EFFECTIVENESS FACTOR
2025	2,464	2,464	3.02	4.69	3.02	3.02	1	1
2026	5,606	5,606	3.14	4.61	3.14	3.14	1	1
2027	9,562	9,562	3.07	4.89	3.07	3.07	1	1
2028	14,454	14,454	3.01	5.14	3.01	3.01	1	1
2029	20,343	20,343	3.19	5.43	3.19	3.19	1	1
2030	27,162	27,162	2.29	5.10	2.29	2.55	1	1
2031	34,657	34,657	2.44	5.40	2.44	2.71	1	1
2032	42,383	42,383	2.70	5.59	2.70	2.98	1	1
2033	49,790	49,790	2.98	5.85	2.98	3.30	1	1
2034	56,408	56,408	3.19	6.01	3.19	3.49	1	1

INPUTS FOR OTHER COSTS & BENEFITS - EXTERNALLY CALC., FORMS 2.3, 2.4, & 2.5

	(1)	(2)	(3)	(4)	(5)	(6)
	<-- FORM 2.3 --->		<-- FORM 2.4 --->		<-- FORM 2.5 --->	
	Total Resource Test		Participants Test		Rate Impact Test	
	OTHER COSTS ($000)	OTHER BENEFITS ($000)	OTHER COSTS ($000)	OTHER BENEFITS ($000)	OTHER COSTS ($000)	OTHER BENEFITS ($000)
2025	0.0	0.0	0.0	0.0	0.0	0.0
2026	0.0	0.0	0.0	0.0	0.0	0.0
2027	0.0	0.0	0.0	0.0	0.0	0.0
2028	0.0	0.0	0.0	0.0	0.0	0.0
2029	0.0	0.0	0.0	0.0	0.0	0.0
2030	0.0	0.0	0.0	0.0	0.0	0.0
2031	0.0	0.0	0.0	0.0	0.0	0.0
2032	0.0	0.0	0.0	0.0	0.0	0.0
2033	0.0	0.0	0.0	0.0	0.0	0.0
2034	0.0	0.0	0.0	0.0	0.0	0.0

CALCULATION OF AFUDC AND IN-SERVICE COST OF PLANT

PLANT: Advanced Class Combined Cycle (2030 On-Line Date)

(1) YEAR	(2) NO. YEARS BEFORE IN-SERVICE	(3) PLANT ESCALATION RATE (%)	(4) CUMULATIVE ESCALATION FACTOR	(5) YEARLY EXPENDITURE (%)	(6) ANNUAL SPENDING ($/KW)	(7) CUMULATIVE AVERAGE SPENDING ($/KW)	(8) CUMULATIVE SPENDING WITH AFUDC ($/KW)	(9) YEARLY TOTAL AFUDC ($/KW)	(10) INCREMENTAL YEAR-END BOOK VALUE ($/KW)	(11) CUMULATIVE YEAR-END BOOK VALUE ($/KW)
2025	5	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2026	4	3.0%	3.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2027	3	3.0%	6.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2028	2	3.0%	9.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2029	1	3.0%	12.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2030	0	3.0%	15.9%	N/A	1,445	1,445	1,445	N/A	1,445	1,445
2031										
2032										
2033										
2034										

Note: JEA's Avoided Unit is an advanced-class combined cycle with an On-line Date of 2030. The capital cost of the Avoided Unit is shown in 2030 dollars, inclusive of interest during construction and escalation.

IN-SERVICE YEAR =	2030
PLANT COSTS (2025 $)	$748,510,000
AFUDC RATE	N/A - See Note above

AVOIDED GENERATION UNIT BENEFITS

PROGRAM: Residential Energy Efficiency Products Rebates

* UNIT SIZE OF AVOIDED GENERATION UNIT = 518 kW

* INSERVICE COSTS OF AVOIDED GEN. UNIT (000) = $1,445

(1) Year	(1A)* VALUE OF DEFERRAL FACTOR	(2) AVOIDED GEN UNIT CAPACITY COST ($000)	(2A) AVOIDED ANNUAL UNIT KWH GEN (000)	(3) AVOIDED UNIT FIXED O&M COST ($000)	(4) AVOIDED GEN UNIT VARIABLE O&M COST ($000)	(5) AVOIDED GEN UNIT FUEL COST ($000)	(6) REPLACEMENT FUEL COST ($000)	(6A) AVOIDED PURCHASED CAPACITY COSTS ($000)	(7) AVOIDED GEN UNIT BENEFITS ($000)
2025	0	0	0	0	0	0	0	0	216
2026	0	0	0	0	0	0	0	0	290
2027	0	0	0	0	0	0	0	0	382
2028	0	0	0	0	0	0	0	0	491
2029	0	0	0	0	0	0	0	0	609
2030	0	52,396	3,578,351	3,932	8,874	144,208	161,028	0	719
2031	0	52,396	3,578,351	4,050	9,141	151,722	168,217	0	798
2032	0	52,396	3,578,351	4,172	9,415	157,805	174,301	0	819
2033	0	52,396	3,578,351	4,297	9,697	165,320	183,185	0	772
2034	0	52,396	3,578,351	4,426	9,988	169,972	185,835	0	664
NOMINAL	0	261,979	17,891,753	20,878	47,115	789,026	872,566	0	5,760
NPV		199,389		15,853	35,776	598,573	662,169	0	4,679

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D AND PROGRAM FUEL BENEFITS

PROGRAM: Residential Energy Efficiency Products Rebates

* INSERVICE COSTS OF AVOIDED TRANS. (000) = $0

* INSERVICE COSTS OF AVOIDED DIST. (000) = $0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Year	AVOIDED TRANSMISSION CAPACITY COST ($000)	AVOIDED TRANSMISSION O&M COST ($000)	TOTAL AVOIDED TRANSMISSION COST ($000)	AVOIDED DISTRIBUTION CAPACITY COST ($000)	AVOIDED DISTRIBUTION O&M COST ($000)	TOTAL AVOIDED DISTRIBUTION COST ($000)	PROGRAM FUEL SAVINGS ($000)
2025	0	0	0	0	0	0	478
2026	0	0	0	0	0	0	626
2027	0	0	0	0	0	0	809
2028	0	0	0	0	0	0	1,021
2029	0	0	0	0	0	0	1,249
2030	0	0	0	0	0	0	1,462
2031	0	0	0	0	0	0	1,615
2032	0	0	0	0	0	0	1,662
2033	0	0	0	0	0	0	1,579
2034	0	0	0	0	0	0	1,383
NOMINAL	0	0	0	0	0	0	11,884
NPV	0	0	0	0	0	0	9,670

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET : DSM PROGRAM FUEL SAVINGS

PROGRAM: Residential Energy Efficiency Products Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)
YEAR	REDUCTION IN KWH GENERATION NET NEW CUST KWH (000)	AVOIDED MARGINAL FUEL COST - REDUCED KWH $(000)	INCREASE IN KWH GENERATION NET NEW CUST KWH (000)	INCREASED MARGINAL FUEL COST - INCREASE KWH $(000)	NET AVOIDED FUEL SAVINGS $(000)	EFFECTIVE PROGRAM FUEL SAVINGS $(000)
2025	1,097	478	0	0	478	478
2026	1,444	626	0	0	626	626
2027	1,872	809	0	0	809	809
2028	2,372	1,021	0	0	1,021	1,021
2029	2,909	1,249	0	0	1,249	1,249
2030	3,410	1,462	0	0	1,462	1,462
2031	3,770	1,615	0	0	1,615	1,615
2032	3,879	1,662	0	0	1,662	1,662
2033	3,679	1,579	0	0	1,579	1,579
2034	3,212	1,383	0	0	1,383	1,383
NOMINAL	27,643	11,884	0	0	11,884	11,884
NPV		9,670	0	0	9,670	9,670

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET: UTILITY COSTS, PARTICIPANT COSTS, AND REV LOSS/GAIN

PROGRAM: Residential Energy Efficiency Products Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	<----------UTILITY PROGRAM COSTS & REBATES ---------->						<---------- PARTICIPATING CUSTOMER COSTS & BENEFITS---------->										
YEAR	UTIL NONREC. COSTS $(000)	UTIL RECUR COSTS $(000)	TOTAL UTIL PGM COSTS $(000)	UTIL NONREC. REBATES $(000)	UTIL RECUR. REBATES $(000)	TOTAL REBATE/INCENT. COSTS $(000)	PARTIC. CUST EQUIP COSTS $(000)	PARTIC. CUST O&M COSTS $(000)	TOTAL PARTIC. CUST COSTS $(000)	REDUCT. IN CUST. KWH (000)	RED. REV. - FUEL PORTION $(000)	RED. REV. NONFUEL PORTION $(000)	EFFECT REV. REDUCT. IN BILL $(000)	INC. IN CUST. KWH (000)	INC. REV. - FUEL PORTION $(000)	INC. REV. NONFUEL PORTION $(000)	EFFECT. REVENUE INC. IN BILL $(000)
2025	299	0	299	99	0	99	267	0	267	1,055	365	573	938	0	0	0	0
2026	384	0	384	121	0	121	348	0	348	1,389	478	751	1,229	0	0	0	0
2027	487	0	487	146	0	146	448	0	448	1,800	617	969	1,586	0	0	0	0
2028	606	0	606	174	0	174	563	0	563	2,281	779	1,223	2,001	0	0	0	0
2029	732	0	732	203	0	203	686	0	686	2,797	952	1,495	2,448	0	0	0	0
2030	851	0	851	230	0	230	802	0	802	3,279	1,114	1,750	2,864	0	0	0	0
2031	936	0	936	250	0	250	885	0	885	3,625	1,231	1,933	3,164	0	0	0	0
2032	965	0	965	259	0	259	911	0	911	3,730	1,267	1,990	3,256	0	0	0	0
2033	924	0	924	254	0	254	867	0	867	3,537	1,203	1,890	3,094	0	0	0	0
2034	822	0	822	237	0	237	762	0	762	3,088	1,055	1,656	2,711	0	0	0	0
NOMINAL	7,005	0	7,005	1,974	0	1,974	6,539	0	6,539	26,580	9,060	14,231	23,291	0	0	0	0
NPV	5,707	0	5,707	1,615	0	1,615	5,322	0	5,322		7,372	11,579	18,952		0	0	0

TOTAL RESOURCE COST TEST

PROGRAM: Residential Energy Efficiency Products Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Year	Increased Supply Costs $(000)	Utility Program Costs $(000)	Participant Program Costs $(000)	Other Costs $(000)	Total Costs $(000)	Avoided Gen Unit Benefits $(000)	Avoided T&D Benefits $(000)	Program Fuel Savings $(000)	Other Benefits $(000)	Total Benefits $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	0	200	267	0	467	216	0	478	0	693	226	226
2026	0	263	348	0	611	290	0	626	0	916	305	293
2027	0	341	448	0	788	382	0	809	0	1,191	403	372
2028	0	432	563	0	994	491	0	1,021	0	1,512	518	460
2029	0	529	686	0	1,216	609	0	1,249	0	1,858	642	549
2030	0	621	802	0	1,422	719	0	1,462	0	2,181	759	624
2031	0	686	885	0	1,571	798	0	1,615	0	2,413	842	665
2032	0	706	911	0	1,617	819	0	1,662	0	2,482	865	657
2033	0	669	867	0	1,536	772	0	1,579	0	2,351	814	595
2034	0	584	762	0	1,347	664	0	1,383	0	2,047	700	492
NOMINAL	0	5,031	6,539	0	11,570	5,760	0	11,884	0	17,644	6,074	
NPV	0	4,092	5,322	0	9,415	4,679	0	9,670	0	14,349	4,934	
Discount Rate	4%											
Benefit/Cost	1.52											

PARTICIPANT COST TEST

PROGRAM: Residential Energy Efficiency Products Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Year	Savings in Participants Bills $(000)	Tax Credits $(000)	Utility Rebates $(000)	Other Benefits $(000)	Total Benefits $(000)	Customer Equipment Costs $(000)	Customer O&M Costs $(000)	Other Costs $(000)	Total Costs $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	938	0	99	0	1,037	267	0	0	267	770	770
2026	1,229	0	121	0	1,350	348	0	0	348	1,002	963
2027	1,586	0	146	0	1,732	448	0	0	448	1,284	1,187
2028	2,001	0	174	0	2,175	563	0	0	563	1,613	1,434
2029	2,448	0	203	0	2,651	686	0	0	686	1,964	1,679
2030	2,864	0	230	0	3,094	802	0	0	802	2,292	1,884
2031	3,164	0	250	0	3,414	885	0	0	885	2,529	1,999
2032	3,256	0	259	0	3,516	911	0	0	911	2,605	1,979
2033	3,094	0	254	0	3,348	867	0	0	867	2,481	1,813
2034	2,711	0	237	0	2,948	762	0	0	762	2,186	1,536
Nominal	23,291	0	1,974	0	25,265	6,539	0	0	6,539	18,726	
NPV	18,952	0	1,615	0	20,567	5,322	0	0	5,322	15,244	
Discount Rate	4%										
Benefit/Cost	3.86										

RATE IMPACT TEST

PROGRAM: Residential Energy Efficiency Products Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Year	Increased Supply Costs $(000)	Utility Program Costs $(000)	Incentives $(000)	Revenue Losses $(000)	Other Costs $(000)	Total Costs $(000)	Avoided Gen Unit & Fuel Benefits $(000)	Avoided T&D Benefits $(000)	Revenue Gains $(000)	Other Benefits $(000)	Total Benefits $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	0	200	99	938	0	1,237	693	0	0	0	693	(543)	(543)
2026	0	263	121	1,229	0	1,613	916	0	0	0	916	(697)	(670)
2027	0	341	146	1,586	0	2,073	1,191	0	0	0	1,191	(882)	(815)
2028	0	432	174	2,001	0	2,607	1,512	0	0	0	1,512	(1,095)	(973)
2029	0	529	203	2,448	0	3,180	1,858	0	0	0	1,858	(1,322)	(1,130)
2030	0	621	230	2,864	0	3,715	2,181	0	0	0	2,181	(1,534)	(1,261)
2031	0	686	250	3,164	0	4,100	2,413	0	0	0	2,413	(1,688)	(1,334)
2032	0	706	259	3,256	0	4,222	2,482	0	0	0	2,482	(1,740)	(1,322)
2033	0	669	254	3,094	0	4,017	2,351	0	0	0	2,351	(1,667)	(1,218)
2034	0	584	237	2,711	0	3,533	2,047	0	0	0	2,047	(1,486)	(1,044)
Nominal	0	5,031	1,974	23,291	0	30,296	17,644		0	0	17,644	(12,652)	
NPV	0	4,092	1,615	18,952	0	24,659	14,349		0	0	14,349	(10,310)	
Discount Rate	4%												
Benefit/Cost	0.58												

INPUT DATA -- PART 1

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

I. PROGRAM DEMAND SAVINGS AND LINE LOSSES

(1) CUSTOMER KW REDUCTION AT THE METER	0.20	KW /CUST
(2) GENERATOR KW REDUCTION PER CUSTOMER	0.21	KW GEN/CUST
(3) KW LINE LOSS PERCENTAGE	4.0	%
(4) GENERATION KWH REDUCTION PER CUSTOMER	874	KWH/CUST/YR
(5) KWH LINE LOSS PERCENTAGE	4.0	%
(6) GROUP LINE LOSS MULTIPLIER	1.0	
(7) CUSTOMER KWH PROGRAM INCREASE AT METER	0.0	KWH/CUST/YR
(8)* CUSTOMER KWH REDUCTION AT METER	841	KWH/CUST/YR

II. ECONOMIC LIFE AND K FACTORS

(1) STUDY PERIOD FOR CONSERVATION PROGRAM	10	YEARS
(2) GENERATOR ECONOMIC LIFE	25	YEARS
(3) T & D ECONOMIC LIFE	25	YEARS
(4) K FACTOR FOR GENERATION	1.09	
(5) K FACTOR FOR T & D	0	
(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	

III. UTILITY AND CUSTOMER COSTS (2025 BASE YEAR)

(1)** UTILITY NONRECURRING COST PER CUSTOMER	239	$/CUST
(2)** UTILITY RECURRING COST PER CUSTOMER	0.0	$/CUST/YR
(3) UTILITY COST ESCALATION RATE	3.0	%
(4) CUSTOMER EQUIPMENT COST	159	$/CUST
(5) CUSTOMER EQUIPMENT ESCALATION RATE	3.0	%
(6) CUSTOMER O & M COST	0.0	$/CUST/YR
(7) CUSTOMER O & M ESCALATION RATE	3.0	%
(8)* CUSTOMER TAX CREDIT PER INSTALLATION	28	$/CUST
(9)* CUSTOMER TAX CREDIT ESCALATION RATE	3.0	%
(10)* INCREASED SUPPLY COSTS	0.0	$/CUST/YR
(11)* SUPPLY COSTS ESCALATION RATE	3.0	%
(12)* UTILITY DISCOUNT RATE	4.0	%
(13)* UTILITY AFUDC RATE	4.0	%
(14)* UTILITY NON RECURRING REBATE/INCENTIVE	146	$/CUST
(15)* UTILITY RECURRING REBATE/INCENTIVE	0.0	$/CUST/YR
(16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0	%

IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS

(1) BASE YEAR	2025	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2030	
(3) IN-SERVICE YEAR FOR AVOIDED T & D	2030	
(4) BASE YEAR AVOIDED GENERATING UNIT COST	1,246	$/KW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0	$/KW
(6) BASE YEAR DISTRIBUTION COST	0	$/KW
(7) GEN, TRAN, & DIST COST ESCALATION RATE	3.0	%
(8) BASE YEAR GENERATOR FIXED O & M COST	6.23	$/KW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	3.0	%
(10) BASE YEAR TRANSMISSION FIXED O & M COST	0	$/KW/YR
(11) BASE YEAR DISTRIBUTION FIXED O & M COST	0	$/KW/YR
(12) T&D FIXED O&M ESCALATION RATE	3.0	%
(13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS	0	CENTS/KWH
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	3.0	%
(15) GENERATOR CAPACITY FACTOR	75	%
(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	4.03	CENTS/KWH
(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	3.0	%
(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0	$/KW/YR
(19)* CAPACITY COST ESCALATION RATE	3.0	%

V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)

(1) NON-FUEL COST IN CUSTOMER BILL	6.55	CENTS/KWH
(2) NON-FUEL ESCALATION RATE	1.0	%
(3) CUSTOMER DEMAND CHARGE PER KW	0.0	$/KW/MO
(4) DEMAND CHARGE ESCALATION RATE	1.0	%
(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.0 1.0	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

** NONRECURRING & RECURRING COSTS IN INPUTS III.(1 & 2) DO NOT INCLUDE CUSTOMER REBATES PAID BY THE UTILITY. UTILITY REBATES ARE INPUT IN III.(14 & 15).

INPUT DATA -- PART 2

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

* Avoided Generation Unit: Advanced Class Combined Cycle (2030 In-Service Year)

* Program Generation Equivalency Factor: 1.00

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COSTS (C/KWH)	(5) AVOIDED MARGINAL FUEL COST (C/KWH)	(6) INCREASED MARGINAL FUEL COST (C/KWH)	(7) REPLACEMENT FUEL COST (C/KWH)	(8) PROGRAM KW EFFECTIVENESS FACTOR	(9) PROGRAM KWH EFFECTIVENESS FACTOR
2025	2,016	2,016	3.02	4.69	3.02	3.02	1	1
2026	4,030	4,030	3.14	4.61	3.14	3.14	1	1
2027	6,046	6,046	3.07	4.89	3.07	3.07	1	1
2028	8,061	8,061	3.01	5.14	3.01	3.01	1	1
2029	10,074	10,074	3.19	5.43	3.19	3.19	1	1
2030	12,087	12,087	2.29	5.10	2.29	2.55	1	1
2031	14,098	14,098	2.44	5.40	2.44	2.71	1	1
2032	16,109	16,109	2.70	5.59	2.70	2.98	1	1
2033	18,120	18,120	2.98	5.85	2.98	3.30	1	1
2034	20,130	20,130	3.19	6.01	3.19	3.49	1	1

INPUTS FOR OTHER COSTS & BENEFITS - EXTERNALLY CALC., FORMS 2.3, 2.4, & 2.5

	(1)	(2)	(3)	(4)	(5)	(6)
	<-- FORM 2.3 --->		<-- FORM 2.4 --->		<-- FORM 2.5 --->	
	Total Resource Test		Participants Test		Rate Impact Test	
	OTHER COSTS ($000)	OTHER BENEFITS ($000)	OTHER COSTS ($000)	OTHER BENEFITS ($000)	OTHER COSTS ($000)	OTHER BENEFITS ($000)
2025	0	56	0	0	0	0
2026	0	54	0	0	0	0
2027	0	51	0	0	0	0
2028	0	49	0	0	0	0
2029	0	47	0	0	0	0
2030	0	45	0	0	0	0
2031	0	43	0	0	0	0
2032	0	40	0	0	0	0
2033	0	38	0	0	0	0
2034	0	36	0	0	0	0

CALCULATION OF AFUDC AND IN-SERVICE COST OF PLANT

PLANT: Advanced Class Combined Cycle (2030 On-Line Date)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
YEAR	NO. YEARS BEFORE IN-SERVICE	PLANT ESCALATION RATE (%)	CUMULATIVE ESCALATION FACTOR	YEARLY EXPENDITURE (%)	ANNUAL SPENDING ($/KW)	CUMULATIVE AVERAGE SPENDING ($/KW)	CUMULATIVE SPENDING WITH AFUDC ($/KW)	YEARLY TOTAL AFUDC ($/KW)	INCREMENTAL YEAR-END BOOK VALUE ($/KW)	CUMULATIVE YEAR-END BOOK VALUE ($/KW)
2025	5	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2026	4	3.0%	3.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2027	3	3.0%	6.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2028	2	3.0%	9.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2029	1	3.0%	12.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2030	0	3.0%	15.9%	N/A	1,445	1,445	1,445	N/A	1,445	1,445
2031	0	0	0	0	0	0	0	0	0	0
2032	Note: JEA's Avoided Unit is an advanced-class combined cycle with an On-line Date of 2030. The capital cost of the Avoided Unit is shown in 2030 dollars, inclusive of interest during									
2033	construction and escalation.									
2034	0	0	0	0	0	0	0	0	0	0

IN-SERVICE YEAR =	2030
PLANT COSTS (2025 $)	$748,510,000
AFUDC RATE	N/A - See Note above

AVOIDED GENERATION UNIT BENEFITS

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

* UNIT SIZE OF AVOIDED GENERATION UNIT = 518 kW

* INSERVICE COSTS OF AVOIDED GEN. UNIT (000) = $1,445

(1) Year	(1A)* VALUE OF DEFERRAL FACTOR	(2) AVOIDED GEN UNIT CAPACITY COST ($000)	(2A) AVOIDED ANNUAL UNIT KWH GEN (000)	(3) AVOIDED UNIT FIXED O&M COST ($000)	(4) AVOIDED GEN UNIT VARIABLE O&M COST ($000)	(5) AVOIDED GEN UNIT FUEL COST ($000)	(6) REPLACEMENT FUEL COST ($000)	(6A) AVOIDED PURCHASED CAPACITY COSTS ($000)	(7) AVOIDED GEN UNIT BENEFITS ($000)
2025	0	0	0	0	0	0	0	0	195
2026	0	0	0	0	0	0	0	0	193
2027	0	0	0	0	0	0	0	0	191
2028	0	0	0	0	0	0	0	0	190
2029	0	0	0	0	0	0	0	0	188
2030	0	52,396	3,578,351	3,932	8,874	144,208	161,028	0	186
2031	0	52,396	3,578,351	4,050	9,141	151,722	168,217	0	184
2032	0	52,396	3,578,351	4,172	9,415	157,805	174,301	0	182
2033	0	52,396	3,578,351	4,297	9,697	165,320	183,185	0	181
2034	0	52,396	3,578,351	4,426	9,988	169,972	185,835	0	179
NOMINAL	0	261,979	17,891,753	20,878	47,115	789,026	872,566	0	1,868
NPV		199,389		15,853	35,776	598,573	662,169	0	1,581

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D AND PROGRAM FUEL BENEFITS

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

* INSERVICE COSTS OF AVOIDED TRANS. (000) = $0

* INSERVICE COSTS OF AVOIDED DIST. (000) = $0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Year	AVOIDED TRANSMISSION CAPACITY COST ($000)	AVOIDED TRANSMISSION O&M COST ($000)	TOTAL AVOIDED TRANSMISSION COST ($000)	AVOIDED DISTRIBUTION CAPACITY COST ($000)	AVOIDED DISTRIBUTION O&M COST ($000)	TOTAL AVOIDED DISTRIBUTION COST ($000)	PROGRAM FUEL SAVINGS ($000)
2025	0	0	0	0	0	0	709
2026	0	0	0	0	0	0	708
2027	0	0	0	0	0	0	707
2028	0	0	0	0	0	0	705
2029	0	0	0	0	0	0	703
2030	0	0	0	0	0	0	702
2031	0	0	0	0	0	0	700
2032	0	0	0	0	0	0	699
2033	0	0	0	0	0	0	698
2034	0	0	0	0	0	0	696
NOMINAL	0	0	0	0	0	0	7,027
NPV	0	0	0	0	0	0	5,932

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET : DSM PROGRAM FUEL SAVINGS

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

(1)	(2)	(3)	(4)	(5)	(6)	(7)
YEAR	REDUCTION IN KWH GENERATION NET NEW CUST KWH (000)	AVOIDED MARGINAL FUEL COST - REDUCED KWH $(000)	INCREASE IN KWH GENERATION NET NEW CUST KWH (000)	INCREASED MARGINAL FUEL COST - INCREASE KWH $(000)	NET AVOIDED FUEL SAVINGS $(000)	EFFECTIVE PROGRAM FUEL SAVINGS $(000)
2025	1,763	709	0	0	709	709
2026	1,763	708	0	0	708	708
2027	1,765	707	0	0	707	707
2028	1,766	705	0	0	705	705
2029	1,765	703	0	0	703	703
2030	1,765	702	0	0	702	702
2031	1,767	700	0	0	700	700
2032	1,768	699	0	0	699	699
2033	1,769	698	0	0	698	698
2034	1,769	696	0	0	696	696
NOMINAL	17,659	7,027	0	0	7,027	7,027
NPV		5,932	0	0	5,932	5,932

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET: UTILITY COSTS, PARTICIPANT COSTS, AND REV LOSS/GAIN

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	<----------UTILITY PROGRAM COSTS & REBATES---------->						<---------- PARTICIPATING CUSTOMER COSTS & BENEFITS---------->										
YEAR	UTIL NONREC. COSTS $(000)	UTIL RECUR COSTS $(000)	TOTAL UTIL PGM COSTS $(000)	UTIL NONREC. REBATES $(000)	UTIL RECUR. REBATES $(000)	TOTAL REBATE/INCENT. COSTS $(000)	PARTIC. CUST EQUIP COSTS $(000)	PARTIC. CUST O&M COSTS $(000)	TOTAL PARTIC. CUST COSTS $(000)	REDUCT. IN CUST. KWH (000)	RED. REV. - FUEL PORTION $(000)	RED. REV. NONFUEL PORTION $(000)	EFFECT REV. REDUCT. IN BILL $(000)	INC. IN CUST. KWH (000)	INC. REV. - FUEL PORTION $(000)	INC. REV. NONFUEL PORTION $(000)	EFFECT. REVENUE INC. IN BILL $(000)
2025	776	0	776	295	0	295	321	0	321	1,695	538	846	1,384	0	0	0	0
2026	771	0	771	290	0	290	315	0	315	1,695	538	845	1,382	0	0	0	0
2027	768	0	768	286	0	286	310	0	310	1,697	538	844	1,382	0	0	0	0
2028	763	0	763	281	0	281	304	0	304	1,698	537	844	1,381	0	0	0	0
2029	758	0	758	276	0	276	298	0	298	1,697	536	842	1,378	0	0	0	0
2030	754	0	754	272	0	272	292	0	292	1,698	535	841	1,376	0	0	0	0
2031	748	0	748	266	0	266	286	0	286	1,699	535	840	1,375	0	0	0	0
2032	744	0	744	261	0	261	280	0	280	1,700	534	839	1,374	0	0	0	0
2033	739	0	739	256	0	256	274	0	274	1,701	534	839	1,373	0	0	0	0
2034	736	0	736	253	0	253	268	0	268	1,701	533	838	1,371	0	0	0	0
NOMINAL	7,556	0	7,556	2,735	0	2,735	2,947	0	2,947	16,979	5,359	8,417	13,776	0	0	0	0
NPV	6,386	0	6,386	2,320	0	2,320	2,502	0	2,502		4,522	7,103	11,625		0	0	0

TOTAL RESOURCE COST TEST

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Year	Increased Supply Costs $(000)	Utility Program Costs $(000)	Participant Program Costs $(000)	Other Costs $(000)	Total Costs $(000)	Avoided Gen Unit Benefits $(000)	Avoided T&D Benefits $(000)	Program Fuel Savings $(000)	Other Benefits $(000)	Total Benefits $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	0	481	321	0	802	195	0	709	56	960	157	157
2026	0	481	315	0	797	193	0	708	54	954	158	152
2027	0	482	310	0	792	191	0	707	51	950	158	146
2028	0	482	304	0	786	190	0	705	49	944	158	141
2029	0	482	298	0	780	188	0	703	47	938	158	135
2030	0	482	292	0	774	186	0	702	45	932	159	130
2031	0	482	286	0	768	184	0	700	43	927	159	126
2032	0	483	280	0	762	182	0	699	40	921	159	121
2033	0	483	274	0	757	181	0	698	38	916	160	117
2034	0	483	268	0	751	179	0	696	36	911	160	112
NOMINAL	0	4,821	2,947	0	7,768	1,868	0	7,027	458	9,354	1,587	
NPV	0	4,066	2,502	0	6,568	1,581	0	5,932	393	7,906	1,338	
Discount Rate	4%											
Benefit/Cost	1.20											

PARTICIPANT COST TEST

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Year	Savings in Participants Bills $(000)	Tax Credits $(000)	Utility Rebates $(000)	Other Benefits $(000)	Total Benefits $(000)	Customer Equipment Costs $(000)	Customer O&M Costs $(000)	Other Costs $(000)	Total Costs $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	1,384	56	295	0	1,734	321	0	0	321	1,413	1,413
2026	1,382	54	290	0	1,726	315	0	0	315	1,410	1,356
2027	1,382	51	286	0	1,719	310	0	0	310	1,409	1,303
2028	1,381	49	281	0	1,711	304	0	0	304	1,407	1,251
2029	1,378	47	276	0	1,701	298	0	0	298	1,403	1,200
2030	1,376	45	272	0	1,693	292	0	0	292	1,402	1,152
2031	1,375	43	266	0	1,683	286	0	0	286	1,398	1,105
2032	1,374	40	261	0	1,675	280	0	0	280	1,395	1,060
2033	1,373	38	256	0	1,667	274	0	0	274	1,393	1,018
2034	1,371	36	253	0	1,660	268	0	0	268	1,392	978
Nominal	13,776	458	2,735	0	16,970	2,947	0	0	2,947	14,023	
NPV	11,625	393	2,320	0	14,337	2,502	0	0	2,502	11,835	
Discount Rate	4%										
Benefit/Cost	5.73										

RATE IMPACT TEST

PROGRAM: Residential Neighborhood Energy Efficiency Program (NEE)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Year	Increased Supply Costs $(000)	Utility Program Costs $(000)	Incentives $(000)	Revenue Losses $(000)	Other Costs $(000)	Total Costs $(000)	Avoided Gen Unit & Fuel Benefits $(000)	Avoided T&D Benefits $(000)	Revenue Gains $(000)	Other Benefits $(000)	Total Benefits $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	0	481	295	1,384	0	2,160	904	0	0	0	904	(1,256)	(1,256)
2026	0	481	290	1,382	0	2,153	901	0	0	0	901	(1,253)	(1,204)
2027	0	482	286	1,382	0	2,150	898	0	0	0	898	(1,251)	(1,157)
2028	0	482	281	1,381	0	2,144	895	0	0	0	895	(1,249)	(1,110)
2029	0	482	276	1,378	0	2,136	891	0	0	0	891	(1,245)	(1,064)
2030	0	482	272	1,376	0	2,130	888	0	0	0	888	(1,243)	(1,022)
2031	0	482	266	1,375	0	2,123	884	0	0	0	884	(1,239)	(979)
2032	0	483	261	1,374	0	2,117	881	0	0	0	881	(1,236)	(939)
2033	0	483	256	1,373	0	2,112	878	0	0	0	878	(1,233)	(901)
2034	0	483	253	1,371	0	2,107	875	0	0	0	875	(1,232)	(865)
Nominal	0	4,821	2,735	13,776	0	21,332	8,896		0	0	8,896	(12,436)	
NPV	0	4,066	2,320	11,625	0	18,011	7,513		0	0	7,513	(10,498)	
Discount Rate	4%												
Benefit/Cost	0.42												

INPUT DATA -- PART 1

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

I. PROGRAM DEMAND SAVINGS AND LINE LOSSES

(1) CUSTOMER KW REDUCTION AT THE METER	11.48	KW /CUST
(2) GENERATOR KW REDUCTION PER CUSTOMER	11.94	KW GEN/CUST
(3) KW LINE LOSS PERCENTAGE	4.0	%
(4) GENERATION KWH REDUCTION PER CUSTOMER	91,588	KWH/CUST/YR
(5) KWH LINE LOSS PERCENTAGE	4.0	%
(6) GROUP LINE LOSS MULTIPLIER	1.0	
(7) CUSTOMER KWH PROGRAM INCREASE AT METER	0.0	KWH/CUST/YR
(8)* CUSTOMER KWH REDUCTION AT METER	88,065	KWH/CUST/YR

II. ECONOMIC LIFE AND K FACTORS

(1) STUDY PERIOD FOR CONSERVATION PROGRAM	10	YEARS
(2) GENERATOR ECONOMIC LIFE	25	YEARS
(3) T & D ECONOMIC LIFE	25	YEARS
(4) K FACTOR FOR GENERATION	1.09	
(5) K FACTOR FOR T & D	0	
(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	

III. UTILITY AND CUSTOMER COSTS (2025 BASE YEAR)

(1)** UTILITY NONRECURRING COST PER CUSTOMER	5,284	$/CUST
(2)** UTILITY RECURRING COST PER CUSTOMER	0.0	$/CUST/YR
(3) UTILITY COST ESCALATION RATE	3.0	%
(4) CUSTOMER EQUIPMENT COST	39,522	$/CUST
(5) CUSTOMER EQUIPMENT ESCALATION RATE	3.0	%
(6) CUSTOMER O & M COST	0.0	$/CUST/YR
(7) CUSTOMER O & M ESCALATION RATE	3.0	%
(8)* CUSTOMER TAX CREDIT PER INSTALLATION	0	$/CUST
(9)* CUSTOMER TAX CREDIT ESCALATION RATE	3.0	%
(10)* INCREASED SUPPLY COSTS	0.0	$/CUST/YR
(11)* SUPPLY COSTS ESCALATION RATE	3.0	%
(12)* UTILITY DISCOUNT RATE	4.0	%
(13)* UTILITY AFUDC RATE	4.0	%
(14)* UTILITY NON RECURRING REBATE/INCENTIVE	19,080	$/CUST
(15)* UTILITY RECURRING REBATE/INCENTIVE	0.0	$/CUST/YR
(16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0	%

IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS

(1) BASE YEAR	2025	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2030	
(3) IN-SERVICE YEAR FOR AVOIDED T & D	2030	
(4) BASE YEAR AVOIDED GENERATING UNIT COST	1,246	$/KW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0	$/KW
(6) BASE YEAR DISTRIBUTION COST	0	$/KW
(7) GEN, TRAN, & DIST COST ESCALATION RATE	3.0	%
(8) BASE YEAR GENERATOR FIXED O & M COST	6.23	$/KW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	3.0	%
(10) BASE YEAR TRANSMISSION FIXED O & M COST	0	$/KW/YR
(11) BASE YEAR DISTRIBUTION FIXED O & M COST	0	$/KW/YR
(12) T&D FIXED O&M ESCALATION RATE	3.0	%
(13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS	0	CENTS/KWH
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	3.0	%
(15) GENERATOR CAPACITY FACTOR	75	%
(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	4.03	CENTS/KWH
(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	3.0	%
(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0	$/KW/YR
(19)* CAPACITY COST ESCALATION RATE	3.0	%

V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)

(1) NON-FUEL COST IN CUSTOMER BILL	0.06	CENTS/KWH
(2) NON-FUEL ESCALATION RATE	1.0	%
(3) CUSTOMER DEMAND CHARGE PER KW	1.0	$/KW/MO
(4) DEMAND CHARGE ESCALATION RATE	1.0	%
(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.0 1.0	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

** NONRECURRING & RECURRING COSTS IN INPUTS III.(1 & 2) DO NOT INCLUDE CUSTOMER REBATES PAID BY THE UTILITY. UTILITY REBATES ARE INPUT IN III.(14 & 15).

INPUT DATA -- PART 2

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

* Avoided Generation Unit: Advanced Class Combined Cycle (2030 In-Service Year)

* Program Generation Equivalency Factor: 1.00

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COSTS (C/KWH)	(5) AVOIDED MARGINAL FUEL COST (C/KWH)	(6) INCREASED MARGINAL FUEL COST (C/KWH)	(7) REPLACEMENT FUEL COST (C/KWH)	(8) PROGRAM KW EFFECTIVENESS FACTOR	(9) PROGRAM KWH EFFECTIVENESS FACTOR
2025	38	38	3.02	4.69	3.02	3.02	1	1
2026	78	78	3.14	4.61	3.14	3.14	1	1
2027	119	119	3.07	4.89	3.07	3.07	1	1
2028	161	161	3.01	5.14	3.01	3.01	1	1
2029	205	205	3.19	5.43	3.19	3.19	1	1
2030	250	250	2.29	5.10	2.29	2.55	1	1
2031	296	296	2.44	5.40	2.44	2.71	1	1
2032	341	341	2.70	5.59	2.70	2.98	1	1
2033	386	386	2.98	5.85	2.98	3.30	1	1
2034	431	431	3.19	6.01	3.19	3.49	1	1

INPUTS FOR OTHER COSTS & BENEFITS - EXTERNALLY CALC., FORMS 2.3, 2.4, & 2.5

	(1)	(2)	(3)	(4)	(5)	(6)
	<-- FORM 2.3 --->		<-- FORM 2.4 --->		<-- FORM 2.5 --->	
	Total Resource Test		Participants Test		Rate Impact Test	
	OTHER COSTS ($000)	OTHER BENEFITS ($000)	OTHER COSTS ($000)	OTHER BENEFITS ($000)	OTHER COSTS ($000)	OTHER BENEFITS ($000)
2025	0	0	0	0	0	0
2026	0	0	0	0	0	0
2027	0	0	0	0	0	0
2028	0	0	0	0	0	0
2029	0	0	0	0	0	0
2030	0	0	0	0	0	0
2031	0	0	0	0	0	0
2032	0	0	0	0	0	0
2033	0	0	0	0	0	0
2034	0	0	0	0	0	0

CALCULATION OF AFUDC AND IN-SERVICE COST OF PLANT

PLANT: Advanced Class Combined Cycle (2030 On-Line Date)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
YEAR	NO. YEARS BEFORE IN-SERVICE	PLANT ESCALATION RATE (%)	CUMULATIVE ESCALATION FACTOR	YEARLY EXPENDITURE (%)	ANNUAL SPENDING ($/KW)	CUMULATIVE AVERAGE SPENDING ($/KW)	CUMULATIVE SPENDING WITH AFUDC ($/KW)	YEARLY TOTAL AFUDC ($/KW)	INCREMENTAL YEAR-END BOOK VALUE ($/KW)	CUMULATIVE YEAR-END BOOK VALUE ($/KW)
2025	5	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2026	4	3.0%	3.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2027	3	3.0%	6.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2028	2	3.0%	9.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2029	1	3.0%	12.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2030	0	3.0%	15.9%	N/A	1,445	1,445	1,445	N/A	1,445	1,445
2031	0	0	0	0	0	0	0	0	0	0
2032	Note: JEA's Avoided Unit is an advanced-class combined cycle with an On-line Date of 2030. The capital cost of the Avoided Unit is shown in 2030 dollars, inclusive of interest during									
2033	construction and escalation.									
2034	0	0	0	0	0	0	0	0	0	0

IN-SERVICE YEAR =	2030
PLANT COSTS (2025 $)	$748,510,000
AFUDC RATE	N/A - See Note above

AVOIDED GENERATION UNIT BENEFITS

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

* UNIT SIZE OF AVOIDED GENERATION UNIT = 518 kW

* INSERVICE COSTS OF AVOIDED GEN. UNIT (000) = $1,445

(1) Year	(1A)* VALUE OF DEFERRAL FACTOR	(2) AVOIDED GEN UNIT CAPACITY COST ($000)	(2A) AVOIDED ANNUAL UNIT KWH GEN (000)	(3) AVOIDED UNIT FIXED O&M COST ($000)	(4) AVOIDED GEN UNIT VARIABLE O&M COST ($000)	(5) AVOIDED GEN UNIT FUEL COST ($000)	(6) REPLACEMENT FUEL COST ($000)	(6A) AVOIDED PURCHASED CAPACITY COSTS ($000)	(7) AVOIDED GEN UNIT BENEFITS ($000)
2025	0	0	0	0	0	0	0	0	273
2026	0	0	0	0	0	0	0	0	292
2027	0	0	0	0	0	0	0	0	310
2028	0	0	0	0	0	0	0	0	326
2029	0	0	0	0	0	0	0	0	341
2030	0	52,396	3,578,351	3,932	8,874	144,208	161,028	0	354
2031	0	52,396	3,578,351	4,050	9,141	151,722	168,217	0	363
2032	0	52,396	3,578,351	4,172	9,415	157,805	174,301	0	367
2033	0	52,396	3,578,351	4,297	9,697	165,320	183,185	0	365
2034	0	52,396	3,578,351	4,426	9,988	169,972	185,835	0	358
NOMINAL	0	261,979	17,891,753	20,878	47,115	789,026	872,566	0	3,347
NPV		199,389		15,853	35,776	598,573	662,169	0	2,795

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D AND PROGRAM FUEL BENEFITS

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

* INSERVICE COSTS OF AVOIDED TRANS. (000) = $0

* INSERVICE COSTS OF AVOIDED DIST. (000) = $0

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Year	AVOIDED TRANSMISSION CAPACITY COST ($000)	AVOIDED TRANSMISSION O&M COST ($000)	TOTAL AVOIDED TRANSMISSION COST ($000)	AVOIDED DISTRIBUTION CAPACITY COST ($000)	AVOIDED DISTRIBUTION O&M COST ($000)	TOTAL AVOIDED DISTRIBUTION COST ($000)	PROGRAM FUEL SAVINGS ($000)
2025	0	0	0	0	0	0	1,618
2026	0	0	0	0	0	0	1,728
2027	0	0	0	0	0	0	1,832
2028	0	0	0	0	0	0	1,930
2029	0	0	0	0	0	0	2,021
2030	0	0	0	0	0	0	2,098
2031	0	0	0	0	0	0	2,152
2032	0	0	0	0	0	0	2,171
2033	0	0	0	0	0	0	2,152
2034	0	0	0	0	0	0	2,101
NOMINAL	0	0	0	0	0	0	19,803
NPV	0	0	0	0	0	0	16,540

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET : DSM PROGRAM FUEL SAVINGS

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)
YEAR	REDUCTION IN KWH GENERATION NET NEW CUST KWH (000)	AVOIDED MARGINAL FUEL COST - REDUCED KWH $(000)	INCREASE IN KWH GENERATION NET NEW CUST KWH (000)	INCREASED MARGINAL FUEL COST - INCREASE KWH $(000)	NET AVOIDED FUEL SAVINGS $(000)	EFFECTIVE PROGRAM FUEL SAVINGS $(000)
2025	3,480	1,618	0	0	1,618	1,618
2026	3,705	1,728	0	0	1,728	1,728
2027	3,922	1,832	0	0	1,832	1,832
2028	4,134	1,930	0	0	1,930	1,930
2029	4,336	2,021	0	0	2,021	2,021
2030	4,507	2,098	0	0	2,098	2,098
2031	4,621	2,152	0	0	2,152	2,152
2032	4,649	2,171	0	0	2,171	2,171
2033	4,579	2,152	0	0	2,152	2,152
2034	4,427	2,101	0	0	2,101	2,101
NOMINAL	42,361	19,803	0	0	19,803	19,803
NPV		16,540	0	0	16,540	16,540

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET: UTILITY COSTS, PARTICIPANT COSTS, AND REV LOSS/GAIN

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	<----------UTILITY PROGRAM COSTS & REBATES---------->						<---------- PARTICIPATING CUSTOMER COSTS & BENEFITS---------->										
YEAR	UTIL NONREC. COSTS $(000)	UTIL RECUR COSTS $(000)	TOTAL UTIL PGM COSTS $(000)	UTIL NONREC. REBATES $(000)	UTIL RECUR. REBATES $(000)	TOTAL REBATE/INCENT. COSTS $(000)	PARTIC. CUST EQUIP COSTS $(000)	PARTIC. CUST O&M COSTS $(000)	TOTAL PARTIC. CUST COSTS $(000)	REDUCT. IN CUST. KWH (000)	RED. REV. - FUEL PORTION $(000)	RED. REV. NONFUEL PORTION $(000)	EFFECT REV. REDUCT. IN BILL $(000)	INC. IN CUST. KWH (000)	INC. REV. - FUEL PORTION $(000)	INC. REV. NONFUEL PORTION $(000)	EFFECT. REVENUE INC. IN BILL $(000)
2025	926	0	926	725	0	725	1,502	0	1,502	3,346	1,478	2,322	3,801	0	0	0	0
2026	985	0	985	771	0	771	1,630	0	1,630	3,562	1,579	2,480	4,059	0	0	0	0
2027	1,009	0	1,009	783	0	783	1,758	0	1,758	3,771	1,674	2,629	4,304	0	0	0	0
2028	1,034	0	1,034	795	0	795	1,886	0	1,886	3,975	1,764	2,771	4,536	0	0	0	0
2029	1,063	0	1,063	813	0	813	2,011	0	2,011	4,169	1,848	2,903	4,752	0	0	0	0
2030	1,085	0	1,085	825	0	825	2,119	0	2,119	4,334	1,920	3,016	4,935	0	0	0	0
2031	1,096	0	1,096	830	0	830	2,193	0	2,193	4,444	1,969	3,093	5,062	0	0	0	0
2032	1,093	0	1,093	825	0	825	2,216	0	2,216	4,470	1,986	3,120	5,106	0	0	0	0
2033	1,089	0	1,089	825	0	825	2,178	0	2,178	4,403	1,968	3,091	5,059	0	0	0	0
2034	1,087	0	1,087	832	0	832	2,091	0	2,091	4,257	1,920	3,015	4,935	0	0	0	0
NOMINAL	10,466	0	10,466	8,023	0	8,023	19,583	0	19,583	40,731	18,108	28,442	46,549	0	0	0	0
NPV	8,781	0	8,781	6,739	0	6,739	16,309	0	16,309		15,124	23,755	38,879		0	0	0

TOTAL RESOURCE COST TEST

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Year	Increased Supply Costs $(000)	Utility Program Costs $(000)	Participant Program Costs $(000)	Other Costs $(000)	Total Costs $(000)	Avoided Gen Unit Benefits $(000)	Avoided T&D Benefits $(000)	Program Fuel Savings $(000)	Other Benefits $(000)	Total Benefits $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	0	201	1,502	0	1,703	273	0	1,618	0	1,891	188	188
2026	0	214	1,630	0	1,844	292	0	1,728	0	2,020	176	170
2027	0	226	1,758	0	1,984	310	0	1,832	0	2,141	157	145
2028	0	239	1,886	0	2,125	326	0	1,930	0	2,256	131	117
2029	0	250	2,011	0	2,261	341	0	2,021	0	2,362	101	87
2030	0	260	2,119	0	2,379	354	0	2,098	0	2,452	73	60
2031	0	267	2,193	0	2,460	363	0	2,152	0	2,514	55	43
2032	0	268	2,216	0	2,484	367	0	2,171	0	2,537	54	41
2033	0	264	2,178	0	2,442	365	0	2,152	0	2,516	74	54
2034	0	255	2,091	0	2,346	358	0	2,101	0	2,459	113	79
NOMINAL	0	2,444	19,583	0	22,027	3,347	0	19,803	0	23,150	1,123	
NPV	0	2,042	16,309	0	18,351	2,795	0	16,540	0	19,335	984	
Discount Rate	4%											
Benefit/Cost	1.05											

PARTICIPANT COST TEST

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Year	Savings in Participants Bills $(000)	Tax Credits $(000)	Utility Rebates $(000)	Other Benefits $(000)	Total Benefits $(000)	Customer Equipment Costs $(000)	Customer O&M Costs $(000)	Other Costs $(000)	Total Costs $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	3,801	0	725	0	4,526	1,502	0	0	1,502	3,024	3,024
2026	4,059	0	771	0	4,831	1,630	0	0	1,630	3,200	3,077
2027	4,304	0	783	0	5,087	1,758	0	0	1,758	3,329	3,078
2028	4,536	0	795	0	5,331	1,886	0	0	1,886	3,445	3,063
2029	4,752	0	813	0	5,564	2,011	0	0	2,011	3,554	3,038
2030	4,935	0	825	0	5,760	2,119	0	0	2,119	3,641	2,993
2031	5,062	0	830	0	5,892	2,193	0	0	2,193	3,698	2,923
2032	5,106	0	825	0	5,931	2,216	0	0	2,216	3,715	2,823
2033	5,059	0	825	0	5,883	2,178	0	0	2,178	3,705	2,707
2034	4,935	0	832	0	5,767	2,091	0	0	2,091	3,676	2,583
Nominal	46,549	0	8,023	0	54,572	19,583	0	0	19,583	34,989	
NPV	38,879	0	6,739	0	45,618	16,309	0	0	16,309	29,309	
Discount Rate	4%										
Benefit/Cost	2.80										

RATE IMPACT TEST

PROGRAM: Commercial/Industrial Prescriptive Lighting Rebates

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Year	Increased Supply Costs $(000)	Utility Program Costs $(000)	Incentives $(000)	Revenue Losses $(000)	Other Costs $(000)	Total Costs $(000)	Avoided Gen Unit & Fuel Benefits $(000)	Avoided T&D Benefits $(000)	Revenue Gains $(000)	Other Benefits $(000)	Total Benefits $(000)	Net Benefits $(000)	Cumulative Discounted Net Benefits $(000)
2025	0	201	725	3,801	0	4,727	1,891	0	0	0	1,891	-2,836	-2,836
2026	0	214	771	4,059	0	5,044	2,020	0	0	0	2,020	-3,024	-2,908
2027	0	226	783	4,304	0	5,313	2,141	0	0	0	2,141	-3,172	-2,932
2028	0	239	795	4,536	0	5,570	2,256	0	0	0	2,256	-3,314	-2,946
2029	0	250	813	4,752	0	5,815	2,362	0	0	0	2,362	-3,452	-2,951
2030	0	260	825	4,935	0	6,020	2,452	0	0	0	2,452	-3,568	-2,933
2031	0	267	830	5,062	0	6,158	2,514	0	0	0	2,514	-3,644	-2,880
2032	0	268	825	5,106	0	6,199	2,537	0	0	0	2,537	-3,662	-2,783
2033	0	264	825	5,059	0	6,148	2,516	0	0	0	2,516	-3,631	-2,653
2034	0	255	832	4,935	0	6,022	2,459	0	0	0	2,459	-3,563	-2,504
Nominal	0	2,444	8,023	46,549	0	57,016	23,150		0	0	23,150	-33,866	
NPV	0	2,042	6,739	38,879	0	47,660	19,335		0	0	19,335	-28,325	
Discount Rate	4%												
Benefit/Cost	0.41												