BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition of Orlando Utilities Commission for Approval of 2025 Demand-Side Management Plan DOCKET NO. 2024____-EG

FILED: December 19, 2024

ORLANDO UTILITIES COMMISSION'S PETITION FOR APPROVAL OF 2025 DEMAND-SIDE MANAGEMENT PLAN

The Orlando Utilities Commission ("OUC"), pursuant to Section 366.82, Florida Statutes, 1 Chapter 120, Florida Statutes, Rule 25-17.0021, Florida Administrative Code ("F.A.C."), Rule 28-106.201, F.A.C., and Order No. 2024-0433-FOF-EG, as amended by Order No. 2024-0433A-FOF-EG (collectively the "2024 OUC Goals Order"), hereby respectfully petitions the Florida Public Service Commission ("PSC") for an order approving OUC's 2025 Demand-Side Management Plan ("2025 DSM Plan"). summary, the DSM programs that comprise OUC's 2025 DSM Plan are the programs that were proposed by OUC and described in the testimony and exhibits submitted by OUC in Docket No. 20240017-EG, with certain modifications to OUC's Residential Efficiency Delivered Program set forth in a stipulation between OUC and Florida Rising, Inc. and the Southern Alliance for Clean Energy and specifically approved by the PSC in the 2024 OUC Goals Order. Of particular note is the fact that OUC's energy conservation programs are designed to meet goals that are significantly greater than OUC's current goals: for example, OUC's proposed annual energy conservation goal (in megawatt-hours or MWH) for 2025

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¹ All references to the Florida Statutes are to the 2024 edition.

is 4,279 MWH, which is more than three times OUC's PSC-approved 2024 goal of 1,370 MWH. OUC's DSM Plan fully complies with applicable statutes and rules and demonstrates that the DSM programs proposed by OUC in its DSM Plan will meet or exceed the goals established by the PSC in the 2024 OUC Goals Order.

In further support of its Petition, OUC states as follows.

PROCEDURAL BACKGROUND

1. The name, address, and contact information of the Petitioner are:

Orlando Utilities Commission Reliable Plaza at 100 West Anderson Street Post Office Box 3193 Orlando, Florida 32802.

2. All pleadings, order, notices, correspondence, and other materials should be directed to OUC's representatives as follows:

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Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, Florida 32399-0850.

4. This Petition is filed pursuant to the 2024 OUC Goals Order, which established numeric conservation goals for OUC pursuant to the Florida Energy Efficiency and Conservation Act, Sections 366.80-.83 and 403.519, Florida Statutes ("FEECA"). These goals are referred to as OUC's "FEECA Goals." Consistent with prior PSC practice and procedure, OUC understands that this Petition will be processed in a new docket. Since OUC has been a party to the PSC's goal-setting dockets and DSM plan approval dockets since 1993, OUC is fully aware of its filing requirements and the initiation of this docket, and thus OUC does not seek modification of any PSC action. Rather, OUC respectfully requests that the PSC approve OUC's 2025 DSM Plan as being consistent with FEECA, in compliance with the 2024 OUC Goals Order, in the best interests of OUC's customers, and in the public interest.

LEGAL & FACTUAL BACKGROUND

5. OUC is an electric utility within the meaning of Section 366.02(2), Florida Statutes, and OUC is subject to FEECA. OUC's retail electric service area covers approximately 419 square miles and includes the City of Orlando, portions of unincorporated Orange County, and portions of Osceola County. In addition, OUC and the City of St. Cloud ("St. Cloud") have an interlocal agreement under Chapter 163, Florida Statutes (the "Interlocal Agreement"), pursuant to which OUC provides all services necessary to and associated with the provision of retail electric energy to all St. Cloud

electric customers, including all services provided by OUC to OUC's customers. Including the retail customers in St. Cloud, OUC currently serves approximately 275,000 electric customer accounts, including approximately 242,000 electric residential customers, 28,000 electric commercial customers, 5,700 electric industrial customers, a small number of customers to whom OUC provides street and highway lighting service, and a similarly small number of other public authorities to which OUC provides service. While St. Cloud is a legally separate municipal electric utility, consistent with OUC's obligations pursuant to the Interlocal Agreement, OUC treats the St. Cloud load and customers as part of OUC's retail obligations for planning and energy conservation purposes.

6. Pursuant to FEECA, prior PSC orders, and action by the OUC Commission, OUC has offered and continues to offer a number of programs that promote energy residential conservation and seasonal peak demand reductions by and commercial/industrial customers. OUC's energy conservation and demand reduction programs and measures include both those specific programs that are part of OUC's PSCapproved Demand-Side Management Plans (including the currently effective 2020 DSM Plan) and additional programs and measures, e.g., OUC's PowerPass® Program, that promote energy conservation by OUC's customers but that are not included in setting or evaluating OUC's DSM programs with respect to its FEECA Goals.

OUC'S 2025 DSM PLAN

7. The DSM Programs that comprise OUC's 2025 DSM Plan are the same programs and measures that were the basis for OUC's FEECA Goals approved by the PSC. Through OUC's 2025 DSM Plan, OUC proposes to offer the DSM Programs listed below

to meet its FEECA Goals for 2025 through 2034. In summary, OUC's DSM Programs include substantially all of the same measures as the measures currently offered through OUC's 2020 DSM Plan, but they have been combined into fewer programs – three Residential Programs and three Commercial/Industrial Programs – for purposes of marketing, customer acceptance, and administrative efficiency. One new measure – Smart Thermostats – has been added into the portfolios of both the Residential Programs and the Commercial/Industrial Programs.

- 8. OUC's 2025 DSM Plan includes the following Residential DSM Programs.
- a. Residential Existing Home Rebates Program.
- b. Residential Efficiency Delivered Program.
- c. Residential New Home Rebates Program.

Each of these programs includes measures that promote energy conservation and peak demand reductions using the following types of measures:

- Heat Pump Water Heater measures;
- Heat Pump Air Conditioning measures;
- Ceiling Insulation measures;
- Duct Repair measures;
- ENERGY STAR® Windows measures; and
- Smart Thermostat measures.

The Residential Efficiency Delivered Program also includes Air Sealing Infiltration Control as a separate eligible measure. The Existing Home Program and New Home Program are rebate programs by which participating customers or developers receive rebates for installing eligible measures. The Efficiency Delivered Program does not provide measure-specific rebates, but rather allows customers to bundle measures and receive financial support for up to \$2,500 of eligible costs. Consistent with good policy and utility practice, OUC will likely incorporate additional specific measures into its DSM programs as new and improved technologies become available in the future.

9. OUC's Commitment to Low-Income Customers. As explained in testimony in OUC's Goals Docket, Docket No. 20240017-EG, OUC is keenly aware of and committed to meeting the needs of all of its customers, including those who live in rental properties and those in lower- and middle-income demographic categories. OUC targets communications to low-income and rental customers in several ways, including OUC's Residential Efficiency Delivered Program and also by working with owners of existing multi-family residential projects to identify opportunities where we can implement or install large numbers of energy-saving measures, such as upgraded heat pumps, water heaters, duct repairs and other measures for multiple units at a single location. OUC's Residential Efficiency Delivered Program is a very generous DSM program designed to promote energy conservation by low-income customers. OUC's Residential Efficiency Delivered program provides financial support for up to \$2,500 of energy and water efficiency upgrades for the customer's home, with the customer's contribution determined by the customer's household income. Specifically, for a household with family income less than \$40,000 per year, OUC pays 85 percent of the cost of eligible measures, and offers the customer the option to finance the remainder on his or her utility bill over 24 months

at zero interest. Beyond the Residential Efficiency Delivered Program and our efforts with multi-family housing, OUC pursues many other activities, initiatives, outreach, and educational programs aimed at customer education and promoting energy conservation by low-income customers. Finally, although the savings from OUC's Home Energy Surveys program are not counted toward meeting OUC's FEECA Goals, OUC will continue offering Home Energy Surveys as it has done for decades.

- 10. OUC also proposes to offer the following specific Commercial/Industrial Programs through its 2025 DSM Plan.
 - a. Commercial/Industrial Prescriptive Rebates Program.
 - b. Commercial/Industrial Lighting Rebates Program.
 - c. Commercial/Industrial Custom Incentive Rebates Program.

These Programs include substantially all of the same measures that OUC has offered through its various commercial/industrial rebate programs pursuant to its 2020 DSM Plan. As with the Residential Programs described above, the measures from OUC's existing programs have been combined and consolidated into these three programs for purposes of marketing, customer acceptance, and administrative efficiency

STATEMENT OF SUBSTANTIAL INTERESTS AFFECTED

11. By its Petition, OUC asks the PSC to issue an order approving OUC's 2025 DSM Plan. OUC is required by FEECA and by the 2024 OUC Goals Order to implement a demand-side management plan in compliance with the statute and the PSC's rules, and accordingly, OUC's substantial interests in fulfilling its statutory duty and, more broadly, its substantial interests in helping customers satisfy their energy demands most efficiently

and in promoting the public interest in using energy efficiently will be determined by the PSC in this docket.

DISPUTED ISSUES OF MATERIAL FACT

- 12. The issues to be decided in this docket are as follows:
- ISSUE 1: Does OUC's 2025 DSM Plan comply with FEECA, Rule 25-17.0021, F.A.C., and the PSC 2024 Goals Order?
- ISSUE 2: Is OUC's 2025 DSM Plan in the best interests of OUC's customers and in the public interest?
- ISSUE 3: Should the PSC approve OUC's 2025 DSM Plan?

At this time, OUC is not aware of any disputes regarding these issues, and OUC has filed with this Petition competent, substantial evidence – specifically, OUC's 2025 DSM Plan – that fully addresses these issues.

STATEMENT OF ULTIMATE FACTS ALLEGED

- 13. OUC asserts that the following ultimate facts, fully supported by OUC's 2025 DSM Plan and by competent, substantial evidence of record in Docket No. 20240017-EG, demonstrate that OUC's 2025 DSM Plan fully complies with FEECA, Rule 25-17.0021, F.A.C., and the 2024 OUC Goals Order.
 - A. The energy reductions, summer peak demand, and winter peak demand reductions resulting from the programs that comprise OUC's 2025 DSM Plan are exactly the goals established for OUC in the 2024 OUC Goals Order.
 - B. The FEECA Goals established by the 2024 OUC Goals Order represent the energy savings and peak demand reductions that are expected to result from OUC's implementation of the programs upon which its proposed goals were based, with the addition of the modifications and additional savings resulting from the Residential Energy Delivered Program approved by the PSC pursuant to the stipulation between OUC and Florida Rising and the Southern Alliance for Clean Energy.

- C. Although the cost-effectiveness results indicate that the proposed DSM programs do not pass the Rate Impact Measure ("RIM") Test, the energy savings and peak demand reductions are in the best interests of OUC's customers and in the public interest. Allowing OUC to implement these programs is particularly appropriate because the PSC does not have jurisdiction over OUC's retail service rates and because the PSC has expressly recognized that OUC is in the best position to assess its customers' needs and interests and to implement DSM programs accordingly.²
- D. OUC's proposed DSM programs, particularly the Residential Efficiency Delivered Program, provide meaningful opportunities and incentives for low-income customers to implement energy conservation measures.

STATUTES AND RULES THAT ENTITLE OUC TO THE RELIEF REQUESTED

14. OUC is entitled to the relief requested, i.e., the PSC's order approving its 2025 DSM Plan, by FEECA and by Rule 25-17.0021, F.A.C., because OUC's proposed 2025 DSM Plan will at least meet the goals established by the 2024 OUC Goals Order and because OUC's implementation of the programs described in its 2025 DSM Plan are in the best interests of OUC's customers and in the public interest.

CONCLUSION AND RELIEF REQUESTED

15. As explained above and demonstrated by OUC's 2025 DSM Plan, filed herewith, OUC's DSM programs will exceed the energy reduction, summer peak demand, and winter peak demand reduction goals established by the 2024 OUC Goals Order. Moreover, OUC's DSM Plan is in the best interests of OUC's customers and in the public interest. Accordingly, the PSC should approve OUC's 2025 DSM Plan.

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² <u>In re: Petition for Approval of Numeric Conservation Goals by Orlando Utilities Commission</u>, Order No. PSC-2004-0767-PAA-EG (August 9, 2004) at 4-5.

WHEREFORE, the Orlando Utilities Commission respectfully requests the PSC to enter its order approving OUC's 2025 DSM Plan.

Respectfully submitted this 19th day of December, 2024.

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December 19, 2024

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1.0 Introduction

1.1 Background

Sections 366.80 through 366.83, and 403.519, Florida Statutes ("F.S."), are known collectively as the Florida Energy Efficiency and Conservation Act ("FEECA"). Section 366.82(2), F.S., requires the Florida Public Service Commission ("PSC") to adopt appropriate goals designed to increase the conservation of expensive resources, such as petroleum fuels, and to reduce and control the growth rates of electric consumption and weather-sensitive peak demand. The statute requires the PSC to adopt goals for six electric utilities: Florida Power & Light Company ("FPL"), Duke Energy Florida, LLC ("DEF"), Tampa Electric Company ("TECO"), Florida Public Utilities Company ("FPUC"), the Orlando Utilities Commission (OUC), and JEA (formerly known as the Jacksonville Electric Authority). These six utilities are referred to collectively as the FEECA Utilities. Once the PSC has adopted the conservation goals, section 366.82(7), F.S., requires the FEECA Utilities to develop plans and programs to achieve the goals established by the PSC; these plans are referred to as the respective utilities' Demand-Side Management Plans, or simply as each utility's DSM Plan. 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. Goals were last established for the FEECA utilities in November 2019 (Order No. PSC-2019-0509-FOF-EG), and the FEECA Utilities' DSM Plans were approved in 2020. Therefore, pursuant to docketed proceedings in 2024, the PSC has adopted new goals for the FEECA Utilities to become effective in 2025.

The remainder of this document summarizes OUC's 2025 Demand-Side Management (DSM) Plan, including descriptions of the programs to meet the goals established by the PSC for OUC for the 2025 through 2034 period along with program administrative standards that describe the policies and procedures detailing the operation and administration of each program.

1.2 Commission Established Numeric Conservation Goals

OUC's numeric conservation goals for the Residential and Commercial/Industrial sectors for the 2025 through 2034 period have been established by PSC Order No. PSC-2024-0433-FOF-EG. In re: Commission Review of Numeric Conservation Goals for Orlando Utilities Commission, Docket No. 20240017-EG (Fla. Pub. Serv. Comm'n, Sept. 20, 2024) (the "OUC Goals Order"). This order was amended by Order No. PSC-2024-0433A-FOF-EG, issued on September 24, 2024; the amendment corrected a scrivener's error in the original order, which had no substantive effect. These PSC-established annual goals for OUC are presented in Table 1-1.

Pursuant to amendments to the PSC's FEECA Rule 25-17.0021(3), Florida Administrative Code ("F.A.C."), adopted in 2023, each FEECA Utility was required to file the following goals scenarios in their petitions for approval of their FEECA Goals for 2025 through

2034: one goals scenario that includes potential demand side management programs that pass the Participant Test and the Total Resource Cost Test, one scenario that includes DSM programs that pass the Participant Test and the Rate Impact Measure Test, and, if applicable, a scenario comprising the utility's proposed FEECA Goals. OUC submitted the required scenarios, and OUC based its proposed FEECA Goals on its specific proposed DSM programs, which include programs and measures that do not pass either the Total Resource Cost Test or the Rate Impact Measure Test; with the exception of a modest increase in the goals for OUC's Residential Efficiency Delivered Program that was approved by the PSC in the OUC Goals Order, OUC's Goals are exactly the goals that OUC's proposed DSM programs are projected to achieve over the 2025-2034 goals period.

As discussed in the testimony and exhibits submitted by OUC in support of its proposed goals, the programs that OUC plans to offer to its customers over the 2025-2034 period are projected to provide significantly greater savings than the goals approved by the PSC for 2024. For example, OUC's proposed annual energy conservation goal (in megawatt-hours or MWH) for 2025 is 4,279 MWH, which is more than three times OUC's PSC-approved 2024 goal of 1,370 MWH.

Table 1-1

Orlando Utilities Commission - Proposed Numeric Demand and Energy Goals (2025 - 2034)¹

	Residential			Commercial/Industrial			Total		
•	Summer Peak	Winter Peak	Annual	Summer Peak	Winter Peak	Annual	Summer Peak	Winter Peak	Annual
	Demand	Demand	Energy	Demand	Demand	Energy	Demand	Demand	Energy
	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction
Year	(MW)	(MW)	(MWh)	(MW)	(MW)	(MWh)	(MW)	(MW)	(MWh)
2025	0.111	0.181	1,072	0.485	0.380	3,207	0.597	0.561	4,279
2026	0.113	0.192	1,129	0.534	0.411	3,508	0.646	0.604	4,638
2027	0.114	0.203	1,186	0.577	0.438	3,769	0.691	0.641	4,955
2028	0.116	0.214	1,243	0.620	0.463	4,019	0.736	0.677	5,262
2029	0.118	0.225	1,301	0.661	0.485	4,247	0.779	0.711	5,548
2030	0.121	0.236	1,357	0.697	0.505	4,446	0.817	0.741	5,803
2031	0.124	0.247	1,419	0.726	0.520	4,605	0.850	0.767	6,024
2032	0.128	0.26	1,489	0.746	0.529	4,715	0.874	0.789	6,204
2033	0.133	0.275	1,569	0.755	0.532	4,770	0.888	0.807	6,339
2034	0.139	0.291	1,659	0.754	0.529	4,767	0.893	0.820	6,425

⁽¹⁾ Totals may not add due to rounding.

1.3 OUC's Marketing Efforts to Promote DSM Program Participation

OUC's conservation efforts will continue to be enhanced by an integrated approach of marketing, communications, and community outreach that will lead to higher levels of program participation and behavioral changes. Customer education will be provided through OUC's website, a variety of media outlets, online and in person at homes, businesses, community meetings and outreach events.

1.3.1 Online Education Initiatives

OUC leverages external digital channels, including its main website and blog, to effectively communicate and educate customers about its sustainability efforts, green initiatives, and conservation programs. Through these platforms, OUC provides valuable resources that help customers understand and engage with its ongoing efforts to create a more sustainable Central Florida.

The *Environment and Community* section of the website (http://ouc.com/environment-community) offers comprehensive information about OUC's solar initiatives, community involvement, educational programs, and other conservation efforts. In 2024, OUC launched a new landing page, https://ouc.com/getgreen, highlighting energy and water rebates available to customers. These rebates include Heat Pump A/C, ENERGY STAR® windows and heat pump water heaters and electric vehicles, making it easier for customers to adopt solutions that save money and conserve energy.

Additionally, since its launch in 2019, the *OUConnect* blog continues to serve as a trusted source for customers looking to learn more about conservation, OUC's innovative products and services, and the company's ongoing sustainability initiatives. The blog features informative articles on community initiatives, as well as profiles on employees making a difference both at work and in their hometowns.

Looking ahead, OUC is modernizing its website, with a planned 2025 relaunch aimed at offering an enhanced user experience. The redesigned website will provide customers with easier access to important information and tools, making it more convenient to engage with OUC's services, conservation and sustainability programs, and community initiatives. The *OUConnect* blog and the website upgrade will continue to be integral in promoting customer education, fostering deeper understanding and supporting OUC's commitment to achieving a greener future.

1.3.2 Marketing Media Overview

Every year, OUC employs the use of marketing campaigns to reach a broad and varied demographic of electric and water customers. To ensure efficient and wide-reaching communication to customers, OUC utilizes a mix of print advertising, online advertising, social media, broadcast television, radio, digital outdoor advertising, direct mail and other promotions to educate customers on ways to save energy, water and money. Marketing campaigns can include:

- Traditional print media, business journals and residential publications selected based on their target audience, market share, and advertising rates.
- A range of internet sites utilizing geographically targeted messaging techniques allowing OUC to broadly share messages to various segments of OUC's customer base.
- Television commercial spots, delivered in English and Spanish, to reinforce the
 individual benefits energy and water conservation provide to customers at a household
 level. The TV commercials often associate conservation actions with lowering
 utility bills or how making small behavior changes can improve energy efficiency
 and conserve water.
- Conservation videos that show how to conduct a home audit, provide money saving tips and rebate redemption process information.

- OUC radio campaigns that promote rebate programs and communicate conservation tips.
- Direct mail inviting customers to community meetings and used in targeted areas to promote specific rebates with customers who may not utilize digital messaging platforms

OUC employs a behavioral-based segmentation analysis of its customers combined with analysis of county Property Appraiser data and analysis of previous customers' redemptions to create likely customer lists for targeted advertising and marketing campaigns. Customers identified in this manner have a higher propensity to participate in conservation rebate redemption programs. This method considers the age of the home, the customer's household income and messaging that most appeals to the customer to promote conservation participation via rebates while reinforcing behavioral change.

1.3.3 Community Outreach Overview

OUC conducts extensive community outreach activities, including attending and making presentations on energy conservation at various community meetings, meetings with key stakeholder groups, and hosting booths and distributing conservation education materials at many community events throughout the year. Specific examples of OUC's community outreach activities are outlined below.

1.3.3.1 Water Color Project

This project is designed to educate and inform participants about the importance of water conservation while providing them with a practical way to save water and an opportunity to express their artistic talent by drawing a calendar entry or painting a rain barrel. More than 2,700 students from 29 Orange County Public Schools competed to have their artwork featured in an annual calendar, while middle and high school students decorate rain barrels that become a traveling exhibit that is displayed throughout the community.

1.3.3.2 Watts Savings Project

Similar in concept to the Water Color Project, this project, introduced in 2024, is designed to educate and inform 4th and 5th grade students in Osceola County Public Schools about the importance of energy conservation while providing them with practical knowledge to encourage energy conservation. The program offers students an opportunity to express their artistic talent by conceptualizing and illustrating a conservation message or slogan. Drawings are submitted for consideration and winners chosen are included in OUC's annual energy conservation calendar.

1.3.3.3 Project AWESOME

OUC, in partnership with the Orlando Science Center, delivers interactive conservation and education to Orange and Osceola County public school classrooms within our service territory. OUC's A.W.E.S.O.M.E. (Alternative Water & Energy Supply; Observation, Methods & Education) Project gives fifth grade students in Orlando and St. Cloud the opportunity to test low-

flow showerheads against traditional fixtures in their classrooms. The program includes classroom workshops for students, as well as hands-on labs and pre- and post- classroom activities. Since 2009, this curriculum has been taught in over 6,945 workshops and has reached 132,296 students.

1.3.4 Educational Outreach

From providing better online access to their consumption history to designing convenient and effective conservation programs, OUC provides customers with the information and tools they need to optimize the efficiency of their homes and businesses. While the tools and technologies naturally change and improve over time, OUC's commitment to conservation has not.

1.3.4.1 Home Energy Reports Program

The Home Energy Reports Program, OUC's largest conservation effort to date has provided Home Energy Reports to between 80,000 and 100,000 individual customers per year from 2021 through 2024. For example, in 2023, OUC provided reports to 95,659 individual customers. The program encourages customers to conserve by comparing their consumption to that of their neighbors. Participants receive regular emails or printed reports showing how their consumption ranks in comparison with others along with tips and suggestions on how they can reduce consumption. To administer the Home Energy Reports, OUC works with Bidgely, a company that helps utilities meet their efficiency goals through effective customer engagement.

1.3.4.2 Media Overview

To reach desired audiences, OUC implements comprehensive media campaigns that utilize print, online, television, radio, social media, outdoor media and community partnerships. Delivering our messages through diverse media allows OUC to reach a broad range of customers and reinforce our commitment to educating customers on how to reduce their energy and water use and ultimately reduce their utility bills.

1.3.4.3 Connections

Connections is a monthly newsletter sent to all OUC customers available in both paper and electronic formats based on customer's billing preference. The Connections newsletters also are posted on https://www.OUC.com and feature information highlighting OUC's programs, events and energy and water saving tips.

1.3.4.4 OUConnect Email Newsletter

OUC sends a monthly email newsletter to all residential and commercial customers with email addresses (approximately 174,000). This newsletter keeps customers informed and connected to OUC's programs, products as well as providing conservation tips and more.

1.3.4.5 Social Media

Staying connected to our customers at the click of a button helps get messages out fast and efficiently. We utilize social media platforms including Facebook, Instagram, LinkedIn and X (formerly Twitter) to spotlight involvement in community events, OUC's conservation programs and initiatives, and tips on how to save energy, water and money. OUC also utilizes its' OUC TV

channel on YouTube to share conservation and sustainability videos along with other relevant content.

1.3.5 Power Pass Program

OUC Power Pass is a program that allows customers to pay-as-you-go or pay in advance for utility services allowing customers the option of avoiding service deposits, late fees and a monthly bill. Studies indicate that pay-before-consumption programs result in lower electricity and water usage as customers are more aware of how much they consume. Customers can verify their electric or water usage daily using the OUC Power Pass portal or receive push alerts via text, email, and/or phone.

1.4 OUC Program Monitoring and Verification

Program monitoring and evaluation are important components of DSM Plan implementation. They serve the purpose of ensuring that DSM resources are acquired efficiently. Specifically, program monitoring includes tracking program data and ensuring quality control. Program impact verification results document the energy and demand impacts. Process evaluation and market assessment measures the delivery efficiency of the program and suggests ways that the program can be improved by increasing savings, reducing costs, or increasing participation.

While there is a need to regularly evaluate programs to ensure their effectiveness, there is an equal need to utilize the evaluation method that is most appropriate. Imprudent expenditure on evaluation can detrimentally affect the program's value. The level of evaluation effort must be balanced with the need. For example, the programs that provide the largest portion of the total DSM impact should be given the greatest evaluation emphasis. Programs (or measures) that provide small per unit impacts or which have had relatively low levels of participation should be evaluated using approaches that can be justified given their relative contribution to the benefits. Therefore, while there are many methods available to evaluate the impacts of these programs, OUC determines, on a program-by-program basis, the most efficient evaluation method based on factors including participation levels, program performance, financial investment, the level of uncertainty of measure performance, and other appropriate metrics.

OUC verifies energy and demand savings through the most appropriate methodology for each measure within each program, which may include any or all the following: engineering calculations, pre-billing and post-billing data analysis, simulation modeling, on-site inspection/data collection, and/or metering/load research. Process evaluations may also examine how to improve the delivery of DSM programs through interviews with the design and delivery staff, customer and contractor interviews or surveys, and customer/contractor focus groups.

1.5 Overview of DSM Programs

The DSM programs that OUC has included in this DSM Plan are divided into Residential and Commercial/Industrial programs. The Residential programs are offered to OUC's customers

to encourage them to improve the energy efficiency of major energy-consuming equipment and the physical characteristics of their homes, thereby decreasing total energy consumption and associated heating, cooling, and water heating costs. OUC offers DSM programs to its residential customers living in single family or multiple family homes, whether owned or rented. OUC has a specific program, the Residential Efficiency Delivered program (described in detail below), that provides significant financial assistance to encourage low-income customers to improve the energy efficiency of their homes. Participation in the Residential Efficiency Delivered program is available to residential customers who rent or own their residences, and both single-family and multi-family residences are eligible for the program. Additionally, OUC has demonstrated success working with landlords of rental properties to improve the energy efficiency of their properties for the benefit of renters. OUC also offers programs to encourage its Commercial and Industrial customers to improve the energy efficiency of their buildings, lighting equipment, and operations. OUC's Residential and Commercial/Industrial DSM programs are summarized below and are discussed in more detail in subsequent sections of this document. Consistent with good energy policy and utility practice, OUC will likely incorporate additional specific measures into its DSM programs for both the Residential and Commercial/Industrial sectors as new and improved technologies become available in the future.

1.5.1 Residential Programs

OUC's Residential DSM measures and programs are being consolidated into three programs, effective in 2025.

- Residential Existing Home Rebates Program
- Residential Efficiency Delivered Program
- Residential New Home Rebates Program

Virtually all the measures that OUC offered pursuant to its 2020 DSM Plan will remain available to customers within the scope of these three programs. For example, Heat Pump Water Heaters, Ceiling Insulation, and Duct Repair will all remain available to customers through all three of the Residential DSM programs. The measures that are available through all three programs are as follows.

- Heat Pump Water Heater Rebates
- Heat Pump A/C Rebates
- Ceiling Insulation Rebates
- Duct Repair Rebates
- ENERGY STAR® Windows Rebates
- Smart Thermostat Rebates

Additional measures, including Air Sealing-Infiltration Control and weatherization measures, are also available to customers participating in OUC's Residential Efficiency Delivered program.

Additionally, OUC will continue to offer and provide Home Energy Surveys, which are, in practical terms, energy audits. Information regarding OUC's Home Energy Surveys is included in this DSM Plan for informational purposes as OUC intends to continue to offer this service to our customers. Projections of energy and demand reductions, and cost-effectiveness evaluations, have not been included for the Home Energy Surveys as they are not included in the projected demand and energy reductions that are quantified for comparison to OUC's annual goals.

1.5.2 Commercial/Industrial Programs

OUC's Commercial and Industrial DSM measures and programs are being consolidated into three programs, effective in 2025.

- Commercial/Industrial Prescriptive Rebates Program
- Commercial/Industrial Lighting Rebates Program
- Commercial/Industrial Custom Incentive Rebates Program

Virtually all the measures that OUC has offered through its 2020 DSM Plan will remain available to customers within the scope of these three programs. The measures that are available through OUC's Commercial/Industrial programs are as follows.

Commercial/Industrial Prescriptive Rebates Program

- Ceiling Insulation Rebates
- Commercial Duct Sealing Rebates
- ENERGY STAR® Windows Rebates
- Heat Pump Water Heater Rebates
- LED Lighting Rebates
- Occupancy Sensors Rebates
- Reflective Roof Treatment (included Cool Roof) Rebates
- Refrigerated Display Case LED Lighting Rebates
- Smart Thermostat Rebates
- Solar Thermal Water Heating Rebates
- Window Shade Film Rebates

Commercial/Industrial Lighting Rebates Program

- LED Lighting Rebates
- Occupancy Sensors Rebates
- Refrigerated Display Case LED Lighting Rebates

Commercial/Industrial Custom Incentive Rebates Program

- High Efficiency Packaged Terminal Air Conditioner Rebates
- High Efficiency Packaged Terminal Heat Pump Rebates
- LED Lighting Rebates
- Occupancy Sensors Rebates

- Refrigerated Display Case LED Lighting Rebates
- Other Commercial Rebates

Additionally, OUC will continue to offer and provide Commercial/Industrial Energy Surveys, which are, in practical terms, energy audits. Information regarding OUC's Commercial/Industrial Energy Surveys is included in this DSM Plan for informational purposes as OUC intends to continue to offer this service to our customers. Projections of energy and demand reductions, and cost-effectiveness evaluations, have not been included for the Commercial/Industrial Energy Surveys as they are not included in the projected demand and energy reductions that are quantified for comparison to OUC's annual goals.

1.6 Structure of the DSM Plan Document

The following sections present descriptions of the Residential Programs (Section 2.0) and Commercial/Industrial Programs (Section 3.0) that comprise OUC's DSM Plan. The sections have been structured to be consistent with the requirements of Rule 25-17.0021(4), Florida Administrative Code (F.A.C.).

2.0 OUC's Residential DSM Programs

2.1 Residential DSM Program Overview

OUC's Residential DSM programs encourage customers to improve the energy efficiency of their homes, thereby decreasing energy use and costs incurred for heating and cooling and for water heating. OUC offers DSM programs to its residential customers who live in single family or multiple family homes, and who either own or rent their homes. OUC also works with landlords of residential rental properties to improve the energy efficiency of their properties. OUC's Residential Efficiency Delivered program is specifically designed and targeted to provide assistance to encourage low-income customers to improve the energy efficiency of their homes.

As summarized above, beginning in 2025, OUC's Residential DSM programs and measures are being consolidated into three programs: the Residential Existing Home Rebates Program, the Residential Efficiency Delivered Program, and the Residential New Home Rebates Program. Virtually all measures currently offered through OUC's DSM programs are being continued in these new programs. As presented in Section 1.5 above, a total of seven DSM measures for residential applications are being offered. Six of those are common to all three programs; the Air Sealing Infiltration Control measure is offered only through the Residential Efficiency Delivered Program.

This section of OUC's DSM Plan first summarizes the three DSM programs, including the information required by Rule 25-17.0021(4), F.A.C. The section concludes with specific descriptions of the residential energy conservation measures that will be offered through OUC's 2025 DSM Plan.

2.2 Residential DSM Program Descriptions

The remainder of this section presents information related to OUC's residential DSM programs in a format consistent with the requirements of Rule 25-17.0021(4), F.A.C. Please refer to Section 1.4 for a discussion of the monitoring and verification process.

2.2.1 Residential Existing Home Rebates Program

<u>Program Name, Start Date, and Measures Included in the Program</u>. Rule 25-17.0021(4)(a), (b) and (g).) Beginning with the PSC's final approval of OUC's 2025 DSM Plan, OUC will offer its Residential Existing Home Rebates Program consisting of the following six measures:

- Heat Pump Water Heater Rebates
- Heat Pump A/C Rebates
- Ceiling Insulation Rebates
- Duct Repair Rebates
- ENERGY STAR® Windows Rebates
- Smart Thermostat Rebates

As explained above, these six measures are common to all three of OUC's Residential DSM Programs pursuant to its 2025 DSM Plan. For additional clarity, all six of these measures were included in the analyses that led to OUC's DSM Goals that have been approved by the PSC; all of these measures except the Smart Thermostat measure, which is new, are measures that OUC has been offering through its 2020 DSM Plan and earlier DSM program offerings.

<u>Customer Participation and Savings Estimates</u>. (Rule 25-17.0021(4)(c)-(h).) The customer participation information, energy savings, and peak demand savings information required by Rule 25-17.0021(4)(c)-(h), F.A.C., for the Residential Existing Home Rebates Program is presented in the following Tables 2-1 through 2-3 for each year of the 2025-2034 period covered by OUC's 2025 DSM Plan.

Table 2-1										
	Residential Existing Home Rebates 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	251,490	251,490	1,413	1,413	0.56%					
2026	256,804	256,804	1,484	2,897	1.13%					
2027	262,080	262,080	1,555	4,452	1.70%					
2028	267,294	267,294	1,628	6,080	2.27%					
2029	272,489	272,489	1,702	7,782	2.86%					
2030	277,689	277,689	1,774	9,556	3.44%					
2031	282,927	282,927	1,855	11,411	4.03%					
2032	288,200	288,200	1,950	13,361	4.64%					
2033	293,559	293,559	2,056	15,417	5.25%					
2034	298,924	298,924	2,181	17,598	5.89%					

Table 2-2											
	Residential Existing Home Rebates										
	kW and kWh Reductions (at the Meter)										
		Per	Per			Total					
	Per	Customer	Customer		Total	Annual					
	Customer	Winter	Summer	Total Annual	Annual	Summer					
Calendar	kWh	kW	kW	kWh	Winter kW	kW					
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction					
2025	601	0.10	0.06	849,422	143.5	88.6					
2026	603	0.10	0.06	895,018	152.5	89.5					
2027	604	0.10	0.06	939,806	161.1	90.8					
2028	605	0.10	0.06	985,382	169.9	92.4					
2029	606	0.10	0.06	1,031,681	178.6	94.3					
2030	606	0.11	0.05	1,075,685	186.9	96.3					
2031	607	0.11	0.05	1,125,357	196.1	99.0					
2032	607	0.11	0.05	1,182,827	206.6	102.5					
2033	607	0.11	0.05	1,248,486	218.5	106.8					
2034	606	0.11	0.05	1,322,447	231.8	111.8					

Table 2-3											
	Residential Existing Home Rebates										
	kW and kWh Reductions (at the Generator)										
		Per	Per			Total					
	Per	Customer	Customer		Total	Annual					
	Customer	Winter	Summer	Total Annual	Annual	Summer					
Calendar	kWh	kW	kW	kWh	Winter kW	kW					
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction					
2025	625	0.11	0.07	882,550	149.1	92.0					
2026	627	0.11	0.06	929,924	158.4	93.0					
2027	628	0.11	0.06	976,458	167.4	94.3					
2028	629	0.11	0.06	1,023,812	176.5	96.0					
2029	630	0.11	0.06	1,071,916	185.6	98.0					
2030	630	0.11	0.06	1,117,637	194.2	100.1					
2031	630	0.11	0.06	1,169,246	203.7	102.8					
2032	630	0.11	0.05	1,228,957	214.6	106.5					
2033	631	0.11	0.05	1,297,177	227.0	110.9					
2034	630	0.11	0.05	1,374,023	240.8	116.2					

Assumptions Upon Which Estimated Participation and Savings Are Based. Projected participation estimates for the Residential Existing Home Rebates Program were developed based on estimated market adoption rates developed by Resource Innovations, a national firm that OUC retained to conduct and prepare OUC's 2024 Technical Potential Study presented in the Goals Docket and to support the development of OUC's DSM Plan. The market adoption rates were

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 to the customer, and whether the measure was currently offered through an existing OUC program. Customer eligibility was based on forecasted customer counts from OUC's 2023 Ten Year Site Plan¹ and the population of OUC 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. 20240017-EG), and total kW and kWh savings were calculated using RI's 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.

Methodology for Measuring Actual Energy and Peak Demand Savings. OUC will verify energy and demand savings through the most appropriate methodology for each measure, which may include any or all of the following: engineering calculations, pre-billing and post-billing data analysis, simulation modeling, on-site inspection/data collection, and/or metering/load research. Process evaluations may also examine how to improve the delivery of DSM programs through interviews with the design and delivery staff, customer and contractor interviews or surveys, and customer/contractor focus groups.

Program Cost-Effectiveness. Pursuant to Rule 25-17.0021(4), F.A.C., and consistent with Rule 25-17.008, F.A.C., program cost-effectiveness information consistent with the PSC's Cost Effectiveness Manual for Demand Side Management Programs and Self-Service Wheeling Proposals is presented for the Residential Existing Home Rebates Program, and for all of OUC's proposed DSM programs, in Appendix A. In summary, the Residential Existing Home Program is cost-effective to participating customers as indicated by the Participant Cost Test results (Benefit/Cost ratio of 1.7), but it is not cost-effective as measured by either the Total Resource Cost Test (Benefit/Cost ratio of 0.6) or the Rate Impact Measure Test (Benefit/Cost ratio of 0.2). (Note: No information is provided pursuant to Rule 25-17.0021(4)(j), F.A.C., because OUC does not have an energy conservation cost recovery clause.)

Standards for Customer Participation and Program Administration. Customers are eligible to participate in the Residential Existing Home Rebates Program regardless of housing type as long as applicable rebate criteria are met. Customers can initiate participation in this program by scheduling a Home Energy Survey, by calling a customer service representative at OUC, or by submitting an application online to take advantage of any of the measures offered through the

¹ OUC's 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.

Residential Existing Home Rebates Program. As applicable to specific measures, proofs of purchase and/or receipts are required to be attached to the application, and repairs can be performed by a contractor or by the customer. Participation is tracked based on the number of rebates processed; typically, these rebates are credited to the customer's bill, or a check can be processed and sent to the property owner who may have paid for the improvements associated with measures selected by the customer.

2.2.2 Residential Efficiency Delivered Program

What was originally referred to as the 'home energy fix-up program' was subsequently revamped and expanded to allow for any OUC customer (energy, water, or both energy and water) to participate and renamed the 'Efficiency Delivered' program. By 2020, the program was expanded to allow for participation by all residential customers regardless of home type (single family and multi-family) and regardless of ownership status (owned or rented with landlord approval).

In OUC's 2025 DSM Plan, this program is now identified as the Residential Efficiency Delivered Program. The program is available to residential customers and provides support for up to \$2,500 of energy and water efficiency upgrades based on the assessed needs of the customer's home and the customer's income status. The program is an income-based program, where OUC determines its contribution toward the cost of improvements utilizing three household income tiers:

Household Income	OUC Contribution
Less than \$40,000	85% of the actual cost of repairs and upgrades
\$40,001–\$60,000	50% of the actual cost of repairs and upgrades
Greater than \$60,000	Rebates only

- 1) \$40,000 or less: OUC contributes 85 percent of total cost, not exceeding \$2,125
- 2) \$40,001 to \$60,000: OUC contributes 50 percent of the total cost, not exceeding \$1,250 and
- 3) greater than \$60,000: OUC will contribute the value of the current rebate incentives that apply toward the measures employed.

To participate in the Residential Efficiency Delivered Program, a customer must request and complete a no charge Residential Home Energy Survey. A Conservation Specialist from OUC performs the survey at the customer's home and determines which home improvements have the potential to save the customer the most money. Ordinarily, Energy Survey recommendations require a customer to spend money replacing aging equipment or adding energy conservation measures: however, customers may not have discretionary income to implement these measures - especially those customers with lower household incomes. To be eligible for this program, the customer's account must be in good credit standing, with the

exception that low-income customers have the ability to participate if they have a current balance that is not delinquent. Under this program, OUC arranges for a licensed, approved contractor to perform the necessary repairs based on OUC negotiated and contracted rates. The remaining portion of the cost for which the customer is responsible (i.e., the 15 percent customer share for households with incomes of \$40,000 or less), is paid directly to OUC or recovered interest-free over a 24-month period on the participant's monthly electric bill.

All measures that are available through OUC's Residential Existing Home Rebates Program and Residential New Home Rebates Program are available to participants in the Residential Efficiency Delivered Program, along with one additional measure, Air Sealing Infiltration Control. Representative energy and water saving measures covered under this program include ceiling insulation, duct system repair, pipe insulation, window film, window caulk, door caulk, door weather stripping, door sweep, threshold plate, air filter replacement, toilet replacement, irrigation repairs, water flow restrictors and minor plumbing repairs. Several new measures are under consideration for addition to this program.

The purpose of the Residential Efficiency Delivered Program is to achieve utility energy and water conservation goals and to reduce customers' energy and water costs, especially for low-income households, particularly households with elderly persons, disabled persons and children. Through this program, OUC helps customers achieve lower utility bills to assist customers who otherwise may have difficulty paying their bills, while providing the additional benefit of decreasing the likelihood of incurring costly service disconnect fees and late charges resulting from an inability to pay the utility bill. OUC believes that this program particularly helps low-income customers afford other essential living expenses. For all participating customers, this program offers a single point of contact to facilitate the implementation of a whole suite of conservation measures at reasonable costs by pre-screened qualified contractors.

<u>Program Name, Start Date, and Measures Included in the Program</u>. (Rule 25-17.0021(4)(a), (b) and (g).) Beginning with the PSC's final approval of OUC's 2025 DSM Plan, OUC will offer its Residential Efficiency Delivered Program consisting of the following measures:

- Heat Pump Water Heater
- Heat Pump A/C
- Ceiling Insulation
- Duct Repair
- ENERGY STAR® Windows
- Smart Thermostat
- Air Sealing Infiltration Control

As explained above, the first six measures listed above are common to all three of OUC's Residential DSM Programs pursuant to its 2025 DSM Plan. For additional clarity, all seven of the measures eligible under the Residential Efficiency Delivered Program were included in the

analyses that led to OUC's DSM Goals that have been approved by the PSC; all of these measures except the Smart Thermostat measure, which is new, are measures that OUC has been offering through its 2020 DSM Plan and earlier DSM program offerings.

<u>Customer Participation and Savings Estimates</u>. (Rule 25-17.0021(4)(c)-(h).) The customer participation information, energy savings, and peak demand savings information required by Rule 25-17.0021(4)(c)-(h), F.A.C., for the Residential Efficiency Delivered Program is presented in the following Tables 2-4 through 2-6 for each year of the 2025-2034 period covered by OUC's 2025 DSM Plan.

Table 2-4 Residential Efficiency Delivered Participation									
Calendar	Total Number of	Number of Customers Eligible for OUC Cost- Sharing	Projected Annual Average Number of Program	Projected Cumulative Number of Program	Projected Cumulative Penetration				
Year	Customers	Support	Participants	Participants	Level %				
2025	251,490	31,940	176	176	0.55%				
2026	256,804	32,615	187	363	1.11%				
2027	262,080	33,285	193	556	1.67%				
2028	267,294	33,947	200	756	2.23%				
2029	272,489	34,607	209	965	2.79%				
2030	277,689	35,267	215	1,180	3.35%				
2031	282,927	35,932	225	1,405	3.91%				
2032	288,200	36,602	232	1,637	4.47%				
2033	293,559	37,282	241	1,878	5.04%				
2034	298,924	37,964	249	2,127	5.60%				

Table 2-5 Residential Efficiency Delivered 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	625	0.10	0.08	110,000	17.7	14.1			
2026	615	0.10	0.07	115,000	18.8	14.0			
2027	622	0.10	0.07	120,000	19.8	14.0			
2028	625	0.10	0.07	125,000	20.8	14.0			
2029	622	0.10	0.07	130,000	21.8	14.1			
2030	628	0.11	0.07	135,000	22.7	14.2			
2031	622	0.11	0.06	140,000	23.7	14.3			
2032	625	0.11	0.06	145,000	24.7	14.5			
2033	622	0.11	0.06	150,000	25.6	14.7			
2034	622	0.11	0.06	155,000	26.6	14.8			

Table 2-6											
	Residential Efficiency Delivered										
	kW and kWh Reductions (at the Generator)										
		Per	Per			Total					
	Per	Customer	Customer		Total	Annual					
	Customer	Winter	Summer	Total Annual	Annual	Summer					
Calendar	kWh	kW	kW	kWh	Winter kW	kW					
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction					
2025	649	0.10	0.08	114,290	18.4	14.6					
2026	639	0.10	0.08	119,485	19.5	14.6					
2027	646	0.11	0.08	124,680	20.6	14.6					
2028	649	0.11	0.07	129,875	21.6	14.6					
2029	646	0.11	0.07	135,070	22.6	14.7					
2030	652	0.11	0.07	140,265	23.6	14.8					
2031	646	0.11	0.07	145,460	24.6	14.9					
2032	649	0.11	0.06	150,655	25.6	15.1					
2033	647	0.11	0.06	155,850	26.6	15.2					
2034	647	0.11	0.06	161,045	27.6	15.4					

Assumptions Upon Which Estimated Participation and Savings Are Based. Projected participation estimates for the Residential Efficiency Delivered 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 to the customer, and whether the measure was currently offered through an existing OUC program, as well as incorporation of stipulated program targets pursuant to the stipulated increases in goals approved by the PSC in the OUC Goals Order. Customer eligibility was based on forecasted customer counts from OUC's 2023 Ten Year Site Plan² and the population of OUC 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. 20240017-EG), and total kW and kWh savings were calculated using RI's 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.

OUC notes that the projected energy and peak demand savings for the Residential Efficiency Delivered Program included in OUC's 2025 DSM Plan are greater than those presented in OUC's testimony and exhibits submitted in OUC's Goals Docket. The energy and demand savings are greater pursuant to the stipulated increases in those goals approved by the PSC in the OUC Goals Order. In addition to the increased conservation goals for OUC's Residential Efficiency Delivered Program, to enhance OUC's energy conservation outreach efforts to OUC's low-income customers, OUC will also distribute 1,000 Energy Efficiency Kits to low-income customers through neighborhood association meetings, partnering low-income service agencies, and related means. Each Kit will include four (4) 9-watt (9W) LED light bulbs, 17 feet of weather-stripping, and two LED night-lights. These 1,000 Kits per year will be in addition to OUC's existing distribution of Kits with each Home Energy Survey. The Kits are a behavioral measure that will not be reflected in OUC's numeric MWH and MW goals, but the numeric participation goal – i.e., 1,000 Kits per year – is part of OUC's commitment that the PSC approved in approving the stipulation.

Methodology for Measuring Actual Energy and Peak Demand Savings. OUC will verify energy and demand savings through the most appropriate methodology for each measure, which may include any or all the following: engineering calculations, pre-billing and post-billing data analysis, simulation modeling, on-site inspection/data collection, and/or metering/load research. Process evaluations may also examine how to improve the delivery of DSM programs through interviews with the design and delivery staff, customer and contractor interviews or surveys, and customer/contractor focus groups.

<u>Program Cost-Effectiveness</u>. Pursuant to Rule 25-17.0021(4), F.A.C., and consistent with Rule 25-17.008, F.A.C., program cost-effectiveness information consistent with the PSC's Cost Effectiveness Manual for Demand Side Management Programs and Self-Service Wheeling Proposals is presented for the Residential Efficiency Delivered Program, and for all of OUC's

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.

proposed DSM programs, in Appendix A. In summary, the Residential Efficiency Delivered Program is cost-effective to participating customers as indicated by the Participant Cost Test results (Benefit/Cost ratio of 1.8), but it is not cost-effective as measured by either the Total Resource Cost Test (Benefit/Cost ratio of 0.6) or the Rate Impact Measure Test (Benefit/Cost ratio of 0.2). (Note: No information is provided pursuant to Rule 25-17.0021(4)(j), F.A.C., because OUC does not have an energy conservation cost recovery clause.)

<u>Standards for Customer Participation and Program Administration</u>. Residential customers whose account status designation is not delinquent are eligible to participate in the Residential Efficiency Delivered Home Program. To participate in the Residential Efficiency Delivered Program, a customer must request and complete a free Residential Home Energy Survey.

Efficiency Delivered contractor(s) are selected through a Request for Proposal (RFP) procurement process conducted routinely by OUC. Eligible customers are referred to the participating contractor after a completed inspection by the OUC Conservation Specialist. The Efficiency Delivered contractor then visits the home and creates a proposal to install eligible measures outlined in the inspection results. Once the customer accepts the proposal and signs the agreement the contractor calls the customer and schedules the work. Typically, the work is completed within 45 days. Upon OUC's receipt of notice of completion and customer acceptance from the contractor, payment to the contractor is processed and the customer's share of the conservation improvements cost is billed. Participation totals are tracked based on completed installations.

2.2.3 Residential New Home Rebates Program

<u>Program Name, Start Date, and Measures Included in the Program</u>. (Rule 25-17.0021(4)(a), (b) and (g).) Beginning with the PSC's final approval of OUC's 2025 DSM Plan, OUC will offer its Residential New Home Rebates Program consisting of the following six measures:

- Heat Pump Water Heater Rebates
- Heat Pump A/C Rebates
- Ceiling Insulation Rebates
- Duct Repair Rebates
- ENERGY STAR® Windows Rebates
- Smart Thermostat Rebates

As explained above, these six measures are common to all three of OUC's Residential DSM Programs pursuant to its 2025 DSM Plan. For additional clarity, all six of these measures were included in the analyses that led to OUC's DSM Goals that have been approved by the PSC; all of these measures except the Smart Thermostat Rebates measure, which is new, are measures that OUC has been offering through its 2020 DSM Plan and earlier DSM program offerings.

OUC's Residential New Home Rebates Program provides a flexible "a la carte" program through which a builder or home buyer can select any or all of the measures available through

OUC's Residential DSM Programs. This program structure has evolved from earlier DSM program offerings based on feedback from the residential building community and OUC's efforts to streamline the marketing and administration of all of its residential DSM programs and measure offerings.

<u>Customer Participation and Savings Estimates</u>. (Rule 25-17.0021(4)(c)-(h).) The customer participation information, energy savings, and peak demand savings information required by Rule 25-17.0021(4)(c)-(h), F.A.C., for the Residential New Home Rebates Program is presented in the following Tables 2-7 through 2-9 for each year of the 2025-2034 period covered by OUC's 2025 DSM Plan.

	Table 2-7 Residential New Home Rebates Participation								
Calendar	Total Number of	Total Number of Eligible	Projected Annual Average Number of Program	Projected Cumulative Number of Program	Projected Cumulative Penetration				
Year	Customers	Customers	Participants	Participants	Level %				
2025 2026	5,090 5,314	5,090 5,314	196 207	196 403	3.85% 7.58%				
2027	5,276	5,276	216	619	11.73%				
2028	5,214	5,214	227	846	16.23%				
2029	5,195	5,195	238	1,084	20.87%				
2030	5,200	5,200	248	1,332	25.62%				
2031	5,238	5,238	260	1,592	30.39%				
2032	5,273	5,273	273	1,865	35.37%				
2033	5,359	5,359	289	2,154	40.19%				
2034	5,365	5,365	306	2,460	45.85%				

	Table 2-8 Residential New Home Rebates									
	kW and kWh Reductions (at the Meter)									
	Per Customer	Per Customer Winter	Per Customer Summer	Total Annual	Total Annual	Total Annual Summer				
Calendar	kWh	kW	kW	kWh	Winter kW	kW				
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction				
2025	574	0.10	0.04	112,560	19.9	8.8				
2026	576	0.10	0.04	119,303	21.2	9.0				
2027	583	0.10	0.04	125,920	22.5	9.2				
2028	584	0.10	0.04	132,631	23.8	9.5				
2029	586	0.11	0.04	139,430	25.0	9.8				
2030	588	0.11	0.04	145,909	26.2	10.2				
2031	589	0.11	0.04	153,152	27.6	10.6				
2032	591	0.11	0.04	161,455	29.1	11.1				
2033	591	0.11	0.04	170,881	30.8	11.7				
2034	593	0.11	0.04	181,454	32.7	12.4				

	Table 2-9									
	Residential New Home Rebates									
	kW and kWh Reductions (at the Generator)									
		Per	Per			Total				
	Per	Customer	Customer		Total	Annual				
	Customer	Winter	Summer	Total Annual	Annual	Summer				
Calendar	kWh	kW	kW	kWh	Winter kW	kW				
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction				
2025	597	0.11	0.05	116,950	20.7	9.1				
2026	599	0.11	0.04	123,955	22.1	9.3				
2027	606	0.11	0.04	130,831	23.4	9.6				
2028	607	0.11	0.04	137,804	24.7	9.9				
2029	609	0.11	0.04	144,867	26.0	10.2				
2030	611	0.11	0.04	151,600	27.3	10.6				
2031	612	0.11	0.04	159,124	28.6	11.0				
2032	614	0.11	0.04	167,751	30.2	11.5				
2033	614	0.11	0.04	177,546	32.0	12.1				
2034	616	0.11	0.04	188,531	34.0	12.9				

Assumptions Upon Which Estimated Participation and Savings Are Based. Projected participation estimates for the Residential New Home 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 to the customer, and whether the measure was currently offered through an existing OUC DSM program. Customer eligibility was based on forecasted customer counts from OUC's 2023 Ten Year Site Plan³ and the population of OUC 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. 20240017-EG), and total kW and kWh savings were calculated using RI's 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.

Methodology for Measuring Actual Energy and Peak Demand Savings. OUC will verify energy and demand savings through the most appropriate methodology for each measure, which may include any or all of the following: engineering calculations, pre-billing and post-billing data analysis, simulation modeling, on-site inspection/data collection, and/or metering/load research. Process evaluations may also examine how to improve the delivery of DSM programs through interviews with the design and delivery staff, customer and contractor interviews or surveys, and customer/contractor focus groups.

Program Cost-Effectiveness. Pursuant to Rule 25-17.0021(4), F.A.C., and consistent with Rule 25-17.008, F.A.C., program cost-effectiveness information consistent with the PSC's Cost Effectiveness Manual for Demand Side Management Programs and Self-Service Wheeling Proposals is presented for the Residential New Home Rebates Program, and for all of OUC's proposed DSM programs, in Appendix A. In summary, the Residential New Home Rebates Program is cost-effective to participating customers as indicated by the Participant Cost Test results (Benefit/Cost ratio of 1.7), but it is not cost-effective as measured by either the Total Resource Cost Test (Benefit/Cost ratio of 0.6) or the Rate Impact Measure Test (Benefit/Cost ratio of 0.2). (Note: No information is provided pursuant to Rule 25-17.0021(4)(j), F.A.C., because OUC does not have an energy conservation cost recovery clause.)

<u>Standards for Builder/Customer Participation and Program Administration</u>. Homebuilders or customers can obtain and install eligible measures. The builder or customer then submits proofs of purchase of the eligible measures, and OUC processes a rebate check and mails it to the builder or customer. Participation is tracked based on the number and type of rebates processed.

³ OUC's 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.

2.2.4 Home Energy Surveys.4

2.2.4.1 Program Description

OUC has been offering home energy surveys dating back to the late 1980's. The home energy walk-through surveys are designed to provide residential customers with recommended energy efficiency measures and practices that customers can implement and to encourage participation in various OUC rebate programs. The home energy surveys are available to both single family and multi-family residential customers.

The Residential Energy Walk-Through Survey includes a review of the customer's electric consumption history as well as a walkthrough review of the attic; heating, ventilation, and air conditioning (HVAC) system; air duct and air returns; window caulking; weather stripping around doors; faucets and toilets; and lawn sprinkler systems. OUC provides participating customers specific tips on conserving electricity and water as well as details on customer rebate programs. OUC Conservation Specialists use this walk-through type audit technique as a means of motivating OUC customers to participate in other conservation programs and to highlight qualifications for appropriate rebates.

One of the primary benefits of the Residential Energy Survey Program is the education it provides to customers on energy conservation measures and ways their lifestyle and behavior can directly affect their energy use. Customers participating in the Energy Survey Program are provided their historical energy usage and a list of relevant conservation measures that they can implement. Customers receive a report that includes pro forma estimates of costs, savings, and payback periods for recommended measures. Customers benefit from the increased comfort experienced and decreased electric and water bills.

Standards for Customer Participation and Program Administration. OUC customers can participate by requesting an appointment for a Walk-Through Energy Survey by calling the OUC Customer Service Call Center. The Home Energy Survey rates how efficient a customer's home energy use is and where one can make improvements to lower utility bills. Participation is tracked through service orders that are produced when appointments are scheduled and completed.

2.3 Residential DSM Measure Descriptions

This Section 2.3 provides descriptions and summary information for each of the measures that will be offered through OUC's three Residential DSM Programs beginning upon the PSC's approval of OUC's 2025 DSM Plan.

2.3.1 Heat Pump Water Heater Rebate Measures

Commonly referred to as hybrid electric heat pump water heaters, heat pump water heaters

⁴ Although OUC's Home Energy Survey Program is not included in the programs upon which OUC's FEECA Goals are based, this discussion is included for informational purposes as OUC intends to continue to offer this program. Projections of energy and demand reductions, and cost-effectiveness evaluations, have not been included for the Home Energy Surveys as they are not included in the projected demand and energy reductions that are quantified for comparison to OUC's annual FEECA Goals.

with a coefficient of performance (COP) of greater than 2.0 can cut water heating electric use and costs by more than half. Across all three of OUC's Residential DSM Programs, OUC currently offers a rebate of \$500 for heat pump water heaters; this rebate amount may be adjusted in the future at OUC's discretion.

Standards for Program Participation and Administration. The contractor's and/or retailer's invoice is required to receive this rebate and must reflect the system model number. If the receipt does not include the model number, a copy of the retailer's item description of product installed should be submitted that can be matched to the proof of purchase. Participation and installations are tracked based on completed installations.

2.3.2 Residential Heat Pump A/C Rebate Measures

Across all three of OUC's Residential DSM Programs, OUC offers separate rebate amounts for the following two Air Source Heat Pump measures: CEE Tier 2 and ENERGY STAR®/CEE Tier 1. This measure provides rebates to qualifying customers in existing or new homes who install heat pumps having a seasonal energy efficiency ratio (SEER) of 16.0 or higher, along with a Heating Season Performance Factor of 9.0 or higher. Customers receive a rebate in the form of a credit on their bill ranging up to \$1,150, depending upon the SEER2 rating and capacity (tons) of the new heat pump. The following table illustrates the rebates available depending on the size and efficiency of the Heat Pump installed; these rebate amounts may be adjusted in the future at OUC's discretion.

	SEER2 Upgraded To:									
	SEER2	15.2 - 15.99	16.0 - 16.99	17.0 - 17.99	18.0 - 18.99	19.0 - 19.99	20.0 - 20.99	21.0 - 21.99	22.0 - 22.99	
	SEER	16.00 - 16.99	17.0 - 17.99	18.0 - 18.99	19.0 - 19.99	20.0 - 20.99	21.0 - 21.99	22.0 - 22.99	23.0 - 23.99	
	1	(-))÷	\$55	\$85	\$115	\$140	\$165	\$185	
	1.5	121	\$55	\$110	\$155	\$200	\$240	\$275	\$305	
2.3	2	121	\$90	\$165	\$230	\$285	\$340	\$385	\$425	
AC Size	2.5	\$45	\$130	\$220	\$300	\$370	\$435	\$495	\$550	
(Tons)	3	\$65	\$165	\$275	\$370	\$455	\$535	\$605	\$670	
	3.5	\$90	\$200	\$330	\$440	\$540	\$635	\$715	\$790	
	4	\$110	\$235	\$385	\$510	\$625	\$730	\$825	\$910	
	5	\$150	\$310	\$490	\$655	\$795	\$925	\$1,045	\$1,150	
	S	EER2 is the	main rat	ing that d	letermine	s the reb	ate value			
	If only	SEER liste	d on AHF	RI, use cor	respondi	ng SEER c	olumn ab	ove.		

<u>Standards for Program Participation and Administration</u>. Customers can participate by submitting a rebate application form available online at https://www.OUC.com. Proofs of purchase or receipts are required to be attached to the application, and work must be performed by a licensed contractor. Participation is tracked based on the overall number of rebates processed. Typically,

these rebates are credited on the customer's bill or upon request, a check can be processed and sent to the property owner who may have paid for the improvement.

2.3.3 Duct Repair Rebate Measure

Beginning in 2000, OUC offered a Duct Repair Rebates Program designed to encourage customers to repair leaking ducts on existing systems. In OUC's 2025 DSM Plan, duct repair will be offered as a measure across all three of OUC's Residential DSM Programs. Qualifying customers must have an existing central air conditioning system of 5.5 tons or less and ducts must be sealed with mastic and fabric tape or any other Underwriters Laboratory (UL) approved duct tape. Participating customers receive a rebate for 100 percent of the cost of duct repairs on their homes, up to \$100; the rebate amount may be adjusted in the future at OUC's discretion.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at http://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application and repairs can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or upon request a check can be processed and sent to the property owner who may have paid for the improvement.

2.3.4 Ceiling Insulation Rebate Measure

The attic is the easiest place to add insulation and lower total energy costs throughout the seasons. OUC has previously offered Ceiling Insulation rebates as a separate program, but as with other measures, in OUC's 2025 DSM Plan, ceiling insulation rebates will be offered as a measure across all three of OUC's Residential DSM Programs. OUC's Ceiling Insulation measure is designed to encourage customers to upgrade their attic insulation in order to save energy and reduce peak demand at the OUC level and to save customers money by reducing their electric bills. Participating customers will receive a rebate of \$0.12 per square foot for upgrading their attic insulation to R-38 or higher; the rebate amount may be adjusted in the future at OUC's discretion. The rebate is available for insulation added to conditioned areas only.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at https://www.OUC.com. Proofs of purchase and/or receipts are required to be submitted with the application, and installation of the insulation can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or upon request a check can be processed and sent to the property owner who may have paid for the improvement.

2.3.5 ENERGY STAR® Windows Rebate Measure

Installation of energy-efficient windows can help minimize heating, cooling, and lighting costs, thereby saving energy and reducing generation capacity needs for the utility and saving customers money on their power bills. OUC has historically offered rebates to support efficient window installations through its High-Performance Windows Rebates program; beginning with OUC's 2025 DSM Plan, this offering has been converted to a measure that is available across all three of OUC's Residential DSM Programs and this measure has been modified to provide rebates only for windows that meet ENERGY STAR® criteria. Participating customers will receive a rebate of \$1.50 per square foot for the purchase of ENERGY STAR® rated energy efficient windows; the rebate amount may be adjusted in the future at OUC's discretion.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at https://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application and repairs can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically these rebates are credited on the customer's bill, or upon request a check can be processed and sent to the property owner who may have paid for the improvement.

2.3.6 Residential Smart Thermostat Rebate Measure

The only new residential DSM measure being offered in OUC's 2025 DSM Plan is the Smart Thermostat Rebate Measure. A Smart Thermostat is like a programmable thermostat, but the Smart Thermostat utilizes wi-fi connectivity to allow the customer or their designated surrogates to more actively control the home's heating, cooling, and ventilation system behavior. The benefits of Smart Thermostats include more precise control of comfort levels, automated control of conditioned space based on actual occupancy, schedule and environmental conditions and the ability to allow remote access to the thermostat to pre-condition a space – all of which assist customers by saving money on their bills and reduce need for utility generation capacity. OUC's Smart Thermostat measure will provide a rebate amount of \$50.00 per installation; the rebate amount may be adjusted in the future at OUC's discretion.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at http://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application, and installation of the Smart Thermostat can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or upon request a check can be processed and sent to the property owner who may have paid for the improvement.

3.0 OUC's Commercial/Industrial DSM Programs

3.1 Commercial/Industrial DSM Program Overview

OUC's Commercial/Industrial DSM programs are offered to large scale OUC customers to obtain demand and energy reductions for the entire OUC system and to help Commercial and Industrial customers reduce their energy costs by improving the energy efficiency of their building envelopes, lighting, mechanical, and other processes. In this 2025 DSM Plan, OUC's commercial and industrial programs and measures are being consolidated into three programs:

- Commercial/Industrial Prescriptive Rebates Program
- Commercial/Industrial Lighting Rebates Program
- Commercial/Industrial Custom Incentive Rebates Program

Virtually all the measures that OUC has been offering through its 2020 DSM Plan will remain available to customers within the scope of these three programs. The measures that are available through OUC's Commercial/Industrial programs are as follows:

Commercial/Industrial Prescriptive Rebates Program

- Ceiling Insulation Rebates
- Commercial Duct Sealing Rebates
- ENERGY STAR® Windows Rebates
- Heat Pump Water Heater Rebates
- LED Lighting Rebates
- Occupancy Sensors Rebates
- Reflective Roof Treatment (included Cool Roof) Rebates
- Refrigerated Display Case LED Lighting Rebates
- Smart Thermostat Rebates
- Solar Thermal Water Heating Rebates
- Window Shade Film Rebates

Commercial/Industrial Lighting Rebates Program

- LED Lighting Rebates
- Occupancy Sensors Rebates
- Refrigerated Display Case LED Lighting Rebates

Commercial/Industrial Custom Incentive Rebates Program

- High Efficiency Packaged Terminal Air Conditioner Rebates
- High Efficiency Packaged Terminal Heat Pump Rebates
- LED Lighting Rebates
- Occupancy Sensors Rebates
- Refrigerated Display Case LED Lighting Rebates
- Other Commercial Custom Incentive Measure Rebates

Commercial/Industrial Energy Audits

Additionally, OUC will also continue to offer Energy Audits to our Commercial and Industrial customers, even though energy audits and the demand and energy savings that they provide are not included in the projected demand and energy reductions of OUC's FEECA Goals. This information is included in this DSM Plan for informational purposes as OUC intends to continue to offer this service to our Commercial and Industrial customers. Projections of energy and demand reductions, and cost-effectiveness evaluations, have not been included for the Commercial/Industrial Energy Audits as they are not included in the projected demand and energy reductions that are quantified for comparison to OUC's annual Goals.

OUC's Commercial/Industrial Energy Audit Program has been offered for several years and is focused on increasing the energy efficiency and energy conservation of commercial buildings and includes a free survey comprised of a physical walk-through inspection of the commercial facility performed by highly trained and experienced energy experts. The survey will examine heating and air conditioning systems including duct work, refrigeration equipment, lighting, water heating, motors, process equipment, and the thermal characteristics of the building including insulation. Following the inspection the customer receives a written report detailing cost-effective recommendations to make the facility more energy and water efficient. Participating customers are encouraged to participate in other OUC commercial programs and directly benefit from energy conservation, which decreases their electric and water bills.

OUC customers can participate by calling the OUC Customer Service Call Center or contacting their assigned key account manager and requesting an appointment for a Walk-Through Energy Survey. Participation is tracked through service orders that are produced when appointments are scheduled and completed.

3.2 Commercial/Industrial Program Descriptions

The remainder of this section presents information related to OUC's Commercial/Industrial DSM programs in a format consistent with the requirements of Rule 25-17.0021(4), F.A.C. Please refer to Section 1.4 for a discussion of the monitoring and verification process.

3.2.1 Commercial/Industrial Prescriptive Rebates Program

Program Name, Start Date, and Measures Included in the Program. Rule 25-17.0021(4)(a), (b) and (g).) Beginning with the PSC's final approval of OUC's 2025 DSM Plan, OUC will offer its Commercial/Industrial Prescriptive DSM Program consisting of the following measures:

- Ceiling Insulation Rebates
- Commercial Duct Sealing Rebates
- ENERGY STAR® Windows Rebates
- Heat Pump Water Heater Rebates
- LED Lighting Rebates
- Occupancy Sensors Rebates
- Reflective Roof Treatment (included Cool Roof) Rebates
- Refrigerated Display Case LED Lighting Rebates
- Smart Thermostat Rebates
- Solar Thermal Water Heating Rebates
- Window Shade Film Rebates

All of these measures were included in the analyses that led to OUC's DSM Goals that have been approved by the PSC; all of these measures except the Smart Thermostat measure, which is new, are measures that OUC has been offering through its 2020 DSM Plan and earlier DSM program offerings.

<u>Customer Participation and Savings Estimates</u>. Rule 25-17.0021(4)(c)-(h).) The customer participation information, energy savings, and peak demand savings information required by Rule 25-17.0021(4)(c)-(h), F.A.C., for the Commercial/Industrial Prescriptive Rebates Program is presented in the following Tables 3-1 through 3-3 for each year of the 2025-2034 period covered by OUC's 2025 DSM Plan.

	Table 3-1 Commercial/Industrial Prescriptive Rebates Participation								
Calendar	Total Number of	Total Number of Eligible	Projected Annual Average Number of Program	Projected Cumulative Number of Program	Projected Cumulative Penetration				
Year 2025	Customers 34,311	Customers 34,311	Participants 35	Participants 35	Level % 0.10%				
2025	34,801	34,801	34	69	0.10%				
2027	35,292	35,292	32	101	0.29%				
2028	35,787	35,787	32	133	0.37%				
2029	36,281	36,281	31	164	0.45%				
2030	36,777	36,777	30	194	0.53%				
2031	37,272	37,272	29	223	0.60%				
2032	37,765	37,765	29	252	0.67%				
2033	38,256	38,256	28	280	0.73%				
2034	38,747	38,747	28	308	0.79%				

	Table 3-2									
	Commercial/Industrial Prescriptive Rebates									
	kW and kWh Reductions (at the Meter)									
	Per Per Total Per Customer Customer Total Annual									
Calendar	Customer kWh	Winter kW	Summer kW	Total Annual kWh	Annual Winter kW	Summer kW				
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction				
2025	18,187	2.60	2.41	636,546	91.2	84.5				
2026	19,756	2.79	2.59	671,688	94.9	88.2				
2027	21,802	3.05	2.84	697,674	97.5	90.8				
2028	22,511	3.12	2.91	720,346	99.7	93.1				
2029	23,834	3.28	3.07	738,861	101.5	95.0				
2030	25,095	3.43	3.21	752,840	102.8	96.4				
2031	26,295	3.57	3.36	762,555	103.6	97.3				
2032	26,510	3.59	3.37	768,788	104.0	97.8				
2033	27,569	3.71	3.49	771,921	104.0	97.8				
2034	27,563	3.70	3.48	771,771	103.6	97.5				

	Table 3-3								
	Commercial/Industrial Prescriptive Rebates								
	kW and kWh Reductions (at the Generator)								
	Per Per Total								
	Per	Customer	Customer		Total	Annual			
	Customer	Winter	Summer	Total Annual	Annual	Summer			
Calendar	kWh	kW	kW	kWh	Winter kW	kW			
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction			
2025	18,896	2.71	2.51	661,371	94.7	87.7			
2026	20,526	2.90	2.70	697,884	98.6	91.6			
2027	22,653	3.16	2.95	724,883	101.3	94.4			
2028	23,389	3.24	3.02	748,440	103.6	96.8			
2029	24,764	3.40	3.18	767,677	105.5	98.7			
2030	26,073	3.56	3.34	782,201	106.8	100.2			
2031	27,321	3.71	3.49	792,295	107.7	101.1			
2032	27,544	3.73	3.50	798,771	108.1	101.6			
2033	28,644	3.86	3.63	802,026	108.0	101.7			
2034	28,638	3.84	3.62	801,870	107.6	101.3			

Assumptions Upon Which Estimated Participation and Savings Are Based. Projected participation estimates for the Commercial/Industrial Prescriptive 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 to the customer, and whether the measure was currently offered through an existing OUC DSM program. Customer eligibility was based on forecasted customer counts from OUC's 2023 Ten Year Site Plan⁵ and the population of OUC 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. 20240017-EG), and total kW and kWh savings were calculated using RI's 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.

Methodology for Measuring Actual Energy and Peak Demand Savings. OUC will verify energy and demand savings through the most appropriate methodology for each measure, which may include any or all the following: engineering calculations, pre-billing and post-billing data analysis, simulation modeling, on-site inspection/data collection, and/or metering/load research.

⁵ 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.

Process evaluations may also examine how to improve the delivery of DSM programs through interviews with the design and delivery staff, customer and contractor interviews or surveys, and customer/contractor focus groups.

Program Cost-Effectiveness. Pursuant to Rule 25-17.0021(4), F.A.C., and consistent with Rule 25-17.008, F.A.C., program cost-effectiveness information consistent with the PSC's Cost Effectiveness Manual for Demand Side Management Programs and Self-Service Wheeling Proposals is presented for the Commercial/Industrial Prescriptive Rebates Program, and for all OUC's proposed DSM programs, in Appendix A. In summary, the Commercial/Industrial Prescriptive Rebates Program is cost-effective to participating customers as indicated by the Participant Cost Test results (Benefit/Cost ratio of 3.1), and cost-effective as measured by the Total Resource Cost Test (Benefit/Cost ratio of 1.0). However, it is not cost-effective as measured by the Rate Impact Measure Test (Benefit/Cost ratio of 0.3). (Note: No information is provided pursuant to Rule 25-17.0021(4)(j), F.A.C., because OUC does not have an energy conservation cost recovery clause.)

Standards for Customer Participation and Program Administration. Commercial and Industrial customers in good standing can participate in the Commercial/Industrial Prescriptive Rebates Program. Customers can initiate participation in this program for whatever combination of measures they choose by calling a customer service representative at OUC or by submitting an application online to take advantage of any of the measures offered through the Program. As applicable to specific measures, proofs of purchase and/or receipts are required to be attached to the application, and repairs or installation of qualifying equipment can be performed by a contractor or by the customer. Participation is tracked based on the number of rebates processed; typically, these rebates are credited to the customer's bill, or a check can be processed and sent to the business owner who may have paid for the improvements associated with measures selected by the customer.

3.2.1.1 Commercial/Industrial Prescriptive Rebates Program – Measure Descriptions

This section provides descriptions and summary information for each of the measures that will be offered through OUC's Commercial/Industrial Prescriptive Rebates Program beginning upon the PSC's approval of OUC's 2025 DSM Plan.

Ceiling Insulation Rebate Measures

OUC has previously offered Ceiling Insulation rebates to commercial and industrial customers as a separate program, but as with other measures, in OUC's 2025 DSM Plan, ceiling insulation rebates are being consolidated into OUC's Commercial/Industrial Prescriptive Rebates Program. OUC offers Ceiling Insulation rebates to enable customers to increase their facility's resistance to heat loss and gain, which saves energy and reduces peak demand at the OUC level and saves customers money by reducing their electric bills. Participating customers receive a rebate of \$0.12 per square foot for upgrading their ceiling insulation to R-38 or higher; the rebate amount

may be adjusted in the future at OUC's discretion. The rebate is available for insulation added to conditioned areas only.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at http://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application, and installation of the insulation can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or a check can be processed and sent to the property owner who may have paid for the improvement.

Commercial Duct Sealing Rebate Measure

Previously offered as the Commercial Duct Repair Program, through the 2025 DSM Plan, OUC is offering duct repair and sealing through the Commercial Duct Sealing Rebate Measure. This measure is designed to encourage customers to repair and maintain the ductwork on existing HVAC systems to improve the overall efficiency of their HVAC systems. OUC will rebate 100 percent of costs, up to \$100; the rebate amount may be adjusted in the future at OUC's discretion. Qualifying customers must have an existing central air conditioning system of 5.5 tons or less, and ducts must be sealed with mastic and fabric tape or other Underwriters Laboratory approved duct tape on all accessible boots, joints, and seams of the air duct system. Commercial and industrial customers with systems greater than 5.5 tons are eligible for rebates through OUC's Commercial/Industrial Custom Incentive Rebates Program. Invoices must include separately itemized amounts for each system repair and must reflect the repair or sealing method used.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at https://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application and repairs can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or a check can be processed and sent to the business owner who may have paid for the improvement.

ENERGY STAR® Windows Rebate Measure

Energy-efficient windows can help minimize heating, cooling, and lighting costs, thereby saving energy and reducing capacity needs for the utility and saving customers on their power bills. OUC has historically offered rebates to support efficient window installations through its High-Performance Windows Rebates program and as an eligible measure through its Commercial Custom Incentive Program; beginning with OUC's 2025 DSM Plan, this offering has been converted to a measure that is available to commercial and industrial customers through the Commercial/Industrial Prescriptive Rebates Program (and also through the Commercial Custom Program). This measure has been modified to provide rebates only for windows that meet ENERGY STAR® criteria. Participating customers will receive a rebate of \$1.50 per square foot for the purchase of ENERGY STAR® rated energy efficient windows; the rebate amount may be

adjusted in the future at OUC's discretion.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at https://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application and repairs can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or upon request a check can be processed and sent to the business owner who may have paid for the improvement.

Heat Pump Water Heaters Rebate Measure

Commonly referred to as hybrid electric heat pump water heaters, heat pump water heaters with a coefficient of performance (COP) of greater than 2.0 can cut water heating electric use and costs by more than half. OUC offers the same rebates to commercial and industrial customers as it offers to residential customers who install heat pump water heaters. OUC currently offers a rebate of \$500 for heat pump water heaters; this rebate amount may be adjusted in the future at OUC's discretion. Commercial and industrial customers who wish to install heat pump water heaters with greater capacity than residential units are eligible for rebates through OUC's Commercial/Industrial Custom Incentive Rebates Program.

Standards for Program Participation and Administration. The contractor's and/or retailer's invoice is required to receive this rebate and must reflect the system model number. If the receipt does not include the model number, a copy of the retailer's item description of product installed should be submitted that can be matched to the proof of purchase. Participation and installations are tracked based on completed installations.

Lighting Rebate Measures

Through a broad suite of lighting measures, OUC will continue providing rebates to support the same efficient lighting measures that have historically been supported through OUC's 2020 DSM Plan and earlier offerings. The following measures are available through OUC's Commercial/Industrial Prescriptive Rebates Program, Commercial Lighting Rebates Program, and Commercial Custom Incentive Rebates Program.

- LED Lighting
- Occupancy Sensors
- Refrigerated Display Case LED Lighting

Standards for Program Participation and Administration. Commercial and industrial customers that upgrade the efficiency of their indoor lighting may be eligible to receive a rebate of \$250/kW through the lighting rebates measures that are available through OUC's Commercial/Industrial Prescriptive Rebates Program, Commercial Lighting Rebates Program, and Commercial Custom Incentive Rebates Program; this rebate amount may be adjusted in the future at OUC's discretion. Participation is open to facilities located within OUC's service area that receive electric service under an OUC commercial rate. Participants or customers may be any of

the following:

- Individual customers who install more efficient lighting in their own facilities.
- National or local companies that install more efficient lighting.
- Local contractors, design/build firms, architectural and engineering firms, and commercial property developers working on behalf of OUC commercial customers.

Customers can participate by submitting a rebate application form available online at https://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application and repairs can be performed by a contractor. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or a check can be processed and sent to the property owner who may have paid for the improvement. Rebates are available for indoor lighting only.

Reflective Roof Rebate Measure (Including Cool Roof)

The Reflective Roof Rebate measure embodies the continuation, as a measure within the Commercial/Industrial Prescriptive Rebates Program, of rebates previously provided through OUC's Cool/Reflective Roof Rebates program. This measure is designed to reflect the sun's rays and lower roof surface temperature while increasing the lifespan of the roof. OUC will rebate customers at \$0.12 per square foot for ENERGY STAR® cool/reflective roofing that has an initial solar reflectance greater than or equal to 0.70; this rebate amount may be adjusted in the future at OUC's discretion.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at http://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application and repairs can be performed by a contractor. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or upon request a check can be processed and sent to the business owner who may have paid for the improvement.

Smart Thermostat Rebate Measure

The Commercial Smart Thermostat Rebate measure being offered through OUC's Commercial/Industrial Prescriptive Rebates Program as part of its 2025 DSM Plan is identical to the Residential Smart Thermostat measure described in Section 2.3.6 above. A Smart Thermostat is like a programmable thermostat, but the Smart Thermostat utilizes wi-fi connectivity to allow the customer or their designated surrogates to more actively control the structure's heating, cooling, and ventilation system behavior. The benefits of Smart Thermostats include more precise control of comfort levels, automated control of conditioned space based on actual occupancy, schedule and environmental conditions and the ability to allow remote access to the thermostat to pre-condition a space – all of which assist customers by saving money on their bills and reduce need for utility generation capacity. OUC's Smart Thermostat measure will provide a rebate amount of \$50.00 per installation; this rebate amount may be adjusted in the future at

OUC's discretion.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at http://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application, and installation of the Smart Thermostat can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or a check can be processed and sent to the property owner who may have paid for the improvement.

Solar Thermal Water Heating Rebate Measure

Solar water heating provides an efficient and carbon-neutral alternative to conventional water heating methods. OUC's Solar Thermal Water Heating Rebate measure provides rebate incentives to commercial and industrial customers who install this technology based on the kW of conventional capacity avoided by the particular installation. The amount of the rebate is \$900; this rebate amount may be adjusted in the future at OUC's discretion.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at http://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application and the installation can be performed by a contractor. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or a check can be processed and sent to the business owner who may have paid for the improvement.

Window Shade Film Rebate Measure

Window shade film reduces the energy and demand cooling loads placed on OUC's electric system by heat gain in conditioned space. To reduce energy and peak demands, and to enable customers to reduce their electric bills, OUC offer a rebate of \$0.55 per square foot of film installed in a customer's conditioned space; this rebate amount may be adjusted in the future at OUC's discretion.

Standards for Program Participation and Administration. Customers can participate by submitting a rebate application form available online at http://www.OUC.com. Proofs of purchase and/or receipts are required to be attached to the application and installation can be performed by a contractor or the customer. Participation is tracked based on the number of rebates processed. Typically, these rebates are credited on the customer's bill, or a check can be processed and sent to the business owner who may have paid for the improvement.

3.2.2 Commercial/Industrial Lighting Rebates Program

Through a broad suite of lighting measures, OUC will continue providing rebates to support the same efficient lighting measures that have historically been supported through programs included in OUC's 2020 DSM Plan and earlier offerings. The following measures are available through OUC's Commercial/Industrial Prescriptive Rebates Program,

Commercial/Industrial Lighting Rebates Program, and Commercial/Industrial Custom Incentive Rebates Program.

<u>Program Name, Start Date, and Measures Included in the Program</u>. Rule 25-17.0021(4)(a), (b) and (g).) Beginning with the PSC's final approval of OUC's 2025 DSM Plan, OUC will offer its Commercial/Industrial Lighting Rebates DSM Program consisting of the following measures:

- LED Lighting
- Occupancy Sensors
- Refrigerated Display Case LED Lighting

All of these measures were included in the analyses that led to OUC's DSM Goals that have been approved by the PSC and all of these are measures that OUC has been offering through its 2020 DSM Plan and earlier DSM program offerings.

<u>Customer Participation and Savings Estimates</u>. Rule 25-17.0021(4)(c)-(h).) The customer participation information, energy savings, and peak demand savings information required by Rule 25-17.0021(4)(c)-(h), F.A.C., for the Commercial/Industrial Lighting Rebates Program is presented in the following Tables 3-4 through 3-6 for each year of the 2025-2034 period covered by OUC's 2025 DSM Plan.

	Table 3-4								
	Commercial/Industrial Lighting Rebates Participation								
	Total	Total Number of	Projected Annual Average Number of	Projected Cumulative Number of	Projected Cumulative				
Calendar	Number of	Eligible	Program	Program	Penetration				
Year	Customers	Customers	Participants	Participants	Level %				
2025	34,311	34,311	17	17	0.05%				
2026	34,801	34,801	17	34	0.10%				
2027	35,292	35,292	17	51	0.14%				
2028	35,787	35,787	17	68	0.19%				
2029	36,281	36,281	18	86	0.24%				
2030	36,777	36,777	18	104	0.28%				
2031	37,272	37,272	17	121	0.32%				
2032	37,765	37,765	17	138	0.37%				
2033	38,256	38,256	17	155	0.41%				
2034	38,747	38,747	17	172	0.44%				

	Table 3-5 Commercial/Industrial Lighting Rebates 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	92,305	11.82	11.46	1,569,187	200.9	194.8				
2026	99,850	12.75	12.36	1,697,447	216.7	210.1				
2027	105,653	13.45	13.04	1,796,100	228.7	221.7				
2028	110,646	14.05	13.62	1,880,990	238.9	231.6				
2029	108,362	13.74	13.32	1,950,513	247.3	239.7				
2030	111,350	14.09	13.66	2,004,294	253.6	245.9				
2031	120,206	15.18	14.72	2,043,504	258.1	250.3				
2032	121,788	15.35	14.89	2,070,389	261.0	253.1				
2033	122,718	15.43	14.96	2,086,212	262.4	254.4				
2034	123,010	15.43	14.96	2,091,178	262.3	254.3				

	Table 3-6									
	Commercial/Industrial Lighting Rebates									
	kW and kWh Reductions (at the Generator)									
		Per	Per			Total				
	Per	Customer	Customer		Total	Annual				
	Customer	Winter	Summer	Total Annual	Annual	Summer				
Calendar	kWh	kW	kW	kWh	Winter kW	kW				
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction				
2025	95,905	12.28	11.91	1,630,386	208.7	202.4				
2026	103,744	13.24	12.84	1,763,647	225.2	218.3				
2027	109,773	13.98	13.55	1,866,148	237.6	230.4				
2028	114,962	14.60	14.16	1,954,349	248.2	240.6				
2029	112,588	14.27	13.84	2,026,583	256.9	249.1				
2030	115,692	14.64	14.19	2,082,462	263.5	255.5				
2031	124,894	15.78	15.30	2,123,201	268.2	260.1				
2032	126,537	15.95	15.47	2,151,135	271.2	263.0				
2033	127,504	16.04	15.55	2,167,574	272.6	264.3				
2034	127,808	16.03	15.54	2,172,734	272.5	264.2				

Assumptions Upon Which Estimated Participation and Savings Are Based. Projected participation estimates for the Commercial/Industrial 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. For RI's analyses, 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 to the customer, and whether the measure was currently offered through an existing OUC DSM program. Customer eligibility was based on OUC's forecasted customer counts from the 2023 Ten Year Site Plan⁶ and the population of OUC 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, and total kW and kWh savings were calculated using RI's 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.

Methodology for Measuring Actual Energy and Peak Demand Savings. OUC will verify energy and demand savings through the most appropriate methodology for each measure, which may include any or all of the following: engineering calculations, pre-billing and post-billing data analysis, simulation modeling, on-site inspection/data collection, and/or metering/load research. Process evaluations may also examine how to improve the delivery of DSM programs through interviews with the design and delivery staff, customer and contractor interviews or surveys, and customer/contractor focus groups.

Program Cost-Effectiveness. Pursuant to Rule 25-17.0021(4), F.A.C., and consistent with Rule 25-17.008, F.A.C., program cost-effectiveness information consistent with the PSC's Cost Effectiveness Manual for Demand Side Management Programs and Self-Service Wheeling Proposals is presented for the Commercial Lighting Rebates Program, and for all of OUC's proposed DSM programs, in Appendix A. In summary, the Commercial/Industrial Lighting Rebates Program is cost-effective to participating customers as indicated by the Participant Cost Test results (Benefit/Cost ratio of 2.9), and cost-effective as measured by the Total Resource Cost Test (Benefit/Cost ratio of 1.0). However, it is not cost-effective as measured by the Rate Impact Measure Test (Benefit/Cost ratio of 0.4). (Note: No information is provided pursuant to Rule 25-17.0021(4)(j), F.A.C., because OUC does not have an energy conservation cost recovery clause.)

Standards for Customer Participation and Program Administration. Commercial and Industrial customers in good standing can participate in the Commercial/Industrial Lighting Rebates Program. Customers can initiate participation in this program for whatever combination of measures they choose by calling a customer service representative at OUC or by applying online to take advantage of any of the measures offered through the Program. As applicable to specific measures, proofs of purchase and/or receipts are required to be attached to the application, and repairs or installation of qualifying equipment can be performed by a contractor or by the customer. Participation is tracked based on the number of rebates processed; typically, these rebates are

⁶ 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.

credited to the customer's bill, or a check can be processed and sent to the business owner who may have paid for the improvements associated with measures selected by the customer.

3.2.2.1 Commercial/Industrial Lighting Rebates Program – Measure Descriptions

Commercial and Industrial customers that upgrade the efficiency of their indoor lighting may be eligible to receive a rebate of \$250/kW through the lighting rebates measures that are available through OUC's Commercial/Industrial Prescriptive Rebates Program, Commercial/Industrial Lighting Rebates Program, and Commercial/Industrial Custom Incentive Rebates Program; this rebate amount may be adjusted in the future at OUC's discretion. The following lighting measures are included in the Commercial/Industrial Lighting Rebates Program.

- LED Lighting
- Occupancy Sensors
- Refrigerated Display Case LED Lighting

3.2.3 Commercial/Industrial Custom Incentive Rebates Program

OUC has designed the Commercial/Industrial Custom Incentive Rebates Program to encourage electric demand reductions that go above and beyond the efficiency gains typically achieved in retrofit or replacement projects. Consequently, demand savings credit is based only on reductions that exceed current state and federal minimum efficiency standards, wherever such standards (e.g., Florida's Energy Efficient Building Code Standards) apply. In cases where these standards do not exist, savings credit is based on improvements relative to a customer's electric demand prior to participating in the program.

<u>Program Name, Start Date, and Measures Included in the Program</u>. Rule 25-17.0021(4)(a), (b) and (g).) Beginning with the PSC's final approval of OUC's 2025 DSM Plan, OUC will offer its Commercial/Industrial Custom Incentive Rebates DSM Program consisting of the following measures:

- High Efficiency Packaged Terminal Air Conditioners Rebates
- High Efficiency Packaged Terminal Heat Pumps Rebates
- LED Lighting Rebates
- Occupancy Sensors Rebates
- Refrigerated Display Case LED Lighting Rebates
- Other Commercial Custom Incentive Measure Rebates

All these measures were included in the analyses that led to OUC's DSM Goals that have been approved by the PSC and all of these are measures that OUC has been offering through its 2020 DSM Plan and earlier DSM program offerings. Other Commercial/Industrial Custom Incentive Measures may be identified by OUC as technologies develop and evolve in the future and may also be proposed by OUC's customers.

Summary of Program Operation. Through the Commercial/Industrial Custom Incentive Rebate Program, commercial and industrial customers receive incentives based on the reduction in peak demand their projects achieve plus the first-year energy savings. Energy and demand saving incentives are paid for the maximum one-hour average demand reduction that occurs during Summer Demand period defined as weekdays, between 1 p.m.— 6 p.m., from April through October. Pre- and post-installation inspections are required. Incentives and other program considerations are summarized below and may be changed in the future at OUC's discretion.

- \$250 per kW reduction incentive for all lighting measures.
- \$550 per kW reduction incentive plus \$0.032 per kWh for all non-lighting measures.
- Incentives shall not exceed 50% of project cost.
- Incentives may be paid at 50% on project completion and remainder at one year depending on performance results.
- All incentives will be paid as a credit appearing on the customer's OUC statement.
- Simple return on investment must be greater than 2 years.
- Energy and demand conservation measure should have a useful life of at least 10 years.
- A maximum incentive of \$100,000 per customer annually.

The following requirements must be met prior to work beginning:

- 1. Customer prepares and submits a Project Application. Customer downloads the application at: https://WWW.OUC.COM/SAVEYOURWAY
- 2. Customer schedules on-site inspection(s) and meeting(s) with OUC to review proposed project.
- 3. Customer works with OUC through the incentive funding commitment and approval process.
- 4. OUC provides customer project approval and incentive funding commitment.
- 5. Customer performs any required pre-installation Measurement and Verification (M&V).

After work is complete, the following must occur:

- 1. Customer submits Installation Report
- 2. Customer performs post-installation M&V
- 3. Customer documents the kW and kWh savings.
- 4. Customer schedules on-site inspection(s) by OUC to confirm installation and M&V results.
- 5. Customer obtains final approval from OUC and receives rebate in the form of a billing credit on OUC monthly statement.

<u>Customer Participation and Savings Estimates</u>. Rule 25-17.0021(4)(c)-(h).) The customer participation information, energy savings, and peak demand savings information required by Rule 25-17.0021(4)(c)-(h), F.A.C., for the Commercial/Industrial Custom Incentive Rebates Program is presented in the following Tables 3-7 through 3-9 for each year of the 2025-2034 period covered by OUC's 2025 DSM Plan.

	Table 3-7 Commercial/Industrial Custom Incentive Rebates Participation								
Calendar	Total Number of	Total Number of Eligible	Projected Annual Average Number of Program	Projected Cumulative Number of Projection	Projected Cumulative Penetration Level				
Year 2025	Customers 34,311	Customers 34,311	Participants 35	Participants 35	% 0.10%				
2026	34,801	34,801	34	69	0.20%				
2027	35,292	35,292	32	101	0.29%				
2028	35,787	35,787	32	133	0.37%				
2029	36,281	36,281	31	164	0.45%				
2030	36,777	36,777	30	194	0.53%				
2031	37,272	37,272	29	223	0.60%				
2032	37,765	37,765	29	252	0.67%				
2033	38,256	38,256	28	280	0.73%				
2034	38,747	38,747	28	308	0.79%				

	Table 3-8 Commercial/Industrial Custom Incentive Rebates kW and kWh Reductions (at the Meter)									
Calendar	Per Customer kWh	Per Customer Winter kW	Per Customer Summer kW	Total Annual	Total Annual Winter kW	Total Annual Summer kW				
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction				
2025	28,605	2.51	5.88	1,001,162	87.9	205.8				
2026	30,792	2.70	6.36	1,046,922	91.6	216.4				
2027	34,465	3.01	7.16	1,102,894	96.4	229.1				
2028	37,298	3.26	7.78	1,193,528	104.4	248.8				
2029	39,946	3.50	8.36	1,238,331	108.5	259.1				
2030	42,227	3.70	8.86	1,266,811	111.1	265.8				
2031	44,976	3.94	9.46	1,304,312	114.4	274.2				
2032	45,750	4.00	9.63	1,326,739	115.9	279.4				
2033	45,513	3.94	9.60	1,274,367	110.4	268.7				
2034	44,270	3.78	9.36	1,239,574	105.9	262.0				

	Table 3-9										
	(Commercial/I	_	-ย om Incentive Reb	ates						
	`										
	T			(at the Generato	r)	.					
Per Per Total											
	Per	Customer	Customer		Total	Annual					
	Customer	Winter	Summer	Total Annual	Annual	Summer					
Calendar	kWh	kW	kW	kWh	Winter kW	kW					
Year	Reduction	Reduction	Reduction	Reduction	Reduction	Reduction					
2025	29,720	2.61	6.11	1,040,207	91.3	213.9					
2026	31,993	2.80	6.61	1,087,752	95.2	224.8					
2027	35,810	3.13	7.44	1,145,907	100.2	238.0					
2028	38,752	3.39	8.08	1,240,076	108.5	258.5					
2029	41,504	3.64	8.68	1,286,626	112.8	269.2					
2030	43,874	3.85	9.21	1,316,217	115.5	276.2					
2031	46,730	4.10	9.82	1,355,180	118.9	284.9					
2032	47,534	4.15	10.01	1,378,482	120.4	290.3					
2033	47288	4.10	9.97	1,324,068	114.7	279.2					
2034	45997	3.93	9.72	1,287,917	110.1	272.2					

Assumptions Upon Which Estimated Participation and Savings Are Based. Projected participation estimates for the Commercial/Industrial Customer Incentive 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. For RI's analyses, 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 to the customer, and whether the measure was currently offered through an existing OUC program. Customer eligibility was based on OUC's forecasted customer counts from the 2023 Ten Year Site Plan⁷ and the population of OUC 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, and total kW and kWh savings were calculated using RI's 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.

Methodology for Measuring Actual Energy and Peak Demand Savings. OUC will verify energy and demand savings through the most appropriate methodology for each measure, which may include any or all of the following: engineering calculations, pre-billing and post-billing data analysis, simulation modeling, on-site inspection/data collection, and/or metering/load research. Process evaluations may also examine how to improve the delivery of DSM programs through

⁷ 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.

interviews with the design and delivery staff, customer and contractor interviews or surveys, and customer/contractor focus groups.

Program Cost-Effectiveness. Pursuant to Rule 25-17.0021(4), F.A.C., and consistent with Rule 25-17.008, F.A.C., program cost-effectiveness information consistent with the PSC's Cost Effectiveness Manual for Demand Side Management Programs and Self-Service Wheeling Proposals is presented for the Commercial/Industrial Custom Incentive Rebates Program, and for all of OUC's proposed DSM programs, in Appendix A. In summary, the Commercial/Industrial Custom Incentive Rebates Program is cost-effective to participating customers as indicated by the Participant Cost Test results (Benefit/Cost ratio of 3.0), and cost-effective as measured by the Total Resource Cost Test (Benefit/Cost ratio of 1.0). However, it is not cost-effective as measured by the Rate Impact Measure Test (Benefit/Cost ratio of 0.4). (Note: No information is provided pursuant to Rule 25-17.0021(4)(j), F.A.C., because OUC does not have an energy conservation cost recovery clause.)

Standards for Customer Participation and Program Administration. Commercial and Industrial customers can participate in the Commercial/Industrial Custom Incentive Rebates Program. Customers can initiate participation in this program for whatever combination of measures they choose by calling a customer service representative at OUC or by submitting an application online to take advantage of any of the measures offered through the Program. As applicable to specific measures, proofs of purchase and/or receipts are required to be attached to the application, and repairs or installation of qualifying equipment can be performed by a contractor or by the customer. Participation is tracked based on the number of rebates processed; typically, these rebates are credited to the customer's bill, or a check can be processed and sent to the business owner who may have paid for the improvements associated with measures selected by the customer.

Appendix A

This appendix presents the results of the cost-effectiveness test performed on the Demand- Side Management (DSM) programs described in OUC'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 OUC'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-2024-0433-FOF-EG. In re: Commission Review of Numeric Conservation Goals for Orlando Utilities Commission, Docket No. 20240017-EG (Fla. Pub. Serv. Comm'n, Sept. 20, 2024) ("OUC Goals Order"), as amended by Order No. PSC-2024-0433A-FOF-EG, issued on September 24, 2024. 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 25-17.008(3), F.A.C.

A.1 Summary of Cost-Effectiveness Results

Table A-1 summarizes the results of the cost-effectiveness evaluations of OUC's Residential DSM Programs included in OUC's 2025 DSM Plan. Table A-2 summarizes the results of the cost-effectiveness evaluations of OUC's Commercial/Industrial DSM Programs included in OUC's 2025 DSM Plan. The cost-effectiveness results presented in Tables A-1 and A-2 reflect the projected program participation and demand and energy reductions for the 2025 through 2034 period presented previously in OUC's 2025 DSM Plan.

Table A-1								
Summary of Cost-Effectiveness Results for OUC's Residential DSM Programs								
Program RIM Participant TRC								
Residential Existing Home Rebates Program	0.2	1.7	0.6					
Residential Efficiency Delivered Program	0.2	1.8	0.6					
Residential New Home Rebates Program	0.2	1.7	0.6					

Table A-2							
Summary of Cost-Effectiveness Results for OUC's Commercial/Industrial DSM Programs							
Program RIM Participant TRC							
Commercial/Industrial Prescriptive Rebates Program	0.3	3.1	1.0				
Commercial Lighting Program	0.4	2.9	1.0				
Commercial/Industrial Custom Incentive Rebates Program	0.4	3.0	1.0				

A.2 Model Output Reports

The following tables present the results of the cost-effectiveness evaluations for OUC's DSM programs 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 25-17.008(3), F.A.C.

PROGRAM:	Residential Existing Home Rebates			
I. PROGRAM	DEMAND SAVINGS AND LINE LOSSES		IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS	
	(1) CUSTOMER KW REDUCTION AT THE METER	0.10 KW/CUST	(1) BASE YEAR	2025
	(2) GENERATOR KW REDUCTION PER CUSTOMER	0.11 KW GEN/CUST	(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2027
	(3) KW LINE LOSS PERCENTAGE	3.9 %	(3) IN-SERVICE YEAR FOR AVOIDED T & D	2027
	(4) GENERATION KWH REDUCTION PER CUSTOMER	625 KWH/CUST/YR	(4) BASE YEAR AVOIDED GENERATING UNIT COST	849 \$/KW
	(5) KWH LINE LOSS PERCENTAGE	3.9 %	(5) BASE YEAR AVOIDED TRANSMISSION COST	0 \$/KW
	(6) GROUP LINE LOSS MULTIPLIER	1.0	(6) BASE YEAR DISTRIBUTION COST	0 \$/KW
	(7) CUSTOMER KWH PROGRAM INCREASE AT METER	0.0 KWH/CUST/YR	(7) GEN, TRAN, & DIST COST ESCALATION RATE	2.0 %
	(8)* CUSTOMER KWH REDUCTION AT METER	601 KWH/CUST/YR	(8) BASE YEAR GENERATOR FIXED O & M COST	28 \$/KW/YR
			(9) GENERATOR FIXED O&M ESCALATION RATE	2.0 %
II. ECONOMI	C LIFE AND K FACTORS		(10) BASE YEAR TRANSMISSION FIXED O & M COST	0 \$/KW/YR
	(1) STUDY PERIOD FOR CONSERVATION PROGRAM	10 YEARS	(11) BASE YEAR DISTRIBUTION FIXED O & M COST	0 \$/KW/YR
	(2) GENERATOR ECONOMIC LIFE	30 YEARS	(12) T&D FIXED O&M ESCALATION RATE	2.0 %
	(3) T & D ECONOMIC LIFE	30 YEARS	(13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS	0 CENTS/KW
	(4) K FACTOR FOR GENERATION	1.63	(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.0 %
	(5) K FACTOR FOR T & D	0	(15) GENERATOR CAPACITY FACTOR	16.7 %
	(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	0 CENTS/KW
			(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	2.0 %
III. UTILITY AN	ID CUSTOMER COSTS (2025 BASE YEAR)		(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
	(1)** UTILITY NONRECURRING COST PER CUSTOMER	536 \$/CUST	(19)* CAPACITY COST ESCALATION RATE	2.0 %
	(2)** UTILITY RECURRING COST PER CUSTOMER	0.0 \$/CUST/YR	()	
	(3) UTILITY COST ESCALATION RATE	2.0 %	V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)	
	(4) CUSTOMER EQUIPMENT COST	1,017 \$/CUST	(1) NON-FUEL COST IN CUSTOMER BILL	12.11 CENTS/KW
	(5) CUSTOMER EQUIPMENT ESCALATION RATE	2.0 %	(2) NON-FUEL ESCALATION RATE	2.0 %
	(6) CUSTOMER O & M COST	0.0 \$/CUST/YR	(3) CUSTOMER DEMAND CHARGE PER KW	0.0 \$/KW/MO
	(7) CUSTOMER O & M ESCALATION RATE	2.0 %	(4) DEMAND CHARGE ESCALATION RATE	2.0 %
	(8)* CUSTOMER TAX CREDIT PER INSTALLATION	557 \$/CUST	(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT	2.0 /0
	(9)* CUSTOMER TAX CREDIT ESCALATION RATE	2.0 %	FACTOR FOR CUSTOMER BILL	1.0
	(10)* INCREASED SUPPLY COSTS	0.0 \$/CUST/YR		
	(11)* SUPPLY COSTS ESCALATION RATE	2.0 %		
	(12)* UTILITY DISCOUNT RATE	6.35 %		
	(13)* UTILITY AFUDC RATE	6.35 %		
	(14) THE TANGE PROPERTY OF THE PROPERTY OF			

(14)* UTILITY NON RECURRING REBATE/INCENTIVE

(15)* UTILITY RECURRING REBATE/INCENTIVE

(16)* UTILITY REBATE/INCENTIVE ESCAL RATE

344 \$/CUST

0.0 %

0.0 \$/CUST/YR

^{*} 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 Existing Home Rebates

^{*} Program Generation Equivalency Factor: 1.00

(1)		(2) CUMULATIVE	(3) ADJUSTED	(4)	(5)	(6)	(7)	(8)	(9)	
		TOTAL	CUMULATIVE	UTILITY AVERAGE	AVOIDED	INCREASED	REPLACEMENT	PROGRAM KW	PROGRAM KWH	
		PARTICIPATING	PARTICIPATING	SYSTEM FUEL	MARGINAL FUEL	MARGINAL FUEL	FUEL COST	EFFECTIVENESS	EFFECTIVENESS	
YEAR		CUSTOMERS	CUSTOMERS	COSTS (C/KWH)	COST (C/KWH)	COST (C/KWH)	(C/KWH)	FACTOR	FACTOR	
	2025	1,413	1,413	3.61	3.41	3.61	3.61	_	1	1
	2026	2,897	2,897	4.20	3.87	4.20	4.20)	1	1
	2027	4,452	4,452	4.59	4.37	4.59	4.68	3	1	1
	2028	6,080	6,080	4.90	4.71	4.90	5.00)	1	1
	2029	7,782	7,782	4.68	4.05	4.68	4.81	_	1	1
	2030	9,556	9,556	4.52	3.63	4.52	4.61	_	1	1
	2031	11,411	11,411	4.35	3.51	4.35	4.46	6	1	1
	2032	13,361	13,361	4.32	3.62	4.32	4.43	3	1	1
	2033	15,417	15,417	4.21	3.64	4.21	4.33	3	1	1
	2034	17,598	17,598	4.17	3.77	4.17	4.22	<u>)</u>	1	1

^{*} Avoided Generation Unit: 100 MW 4-Hr Battery Energy Storage System (2027 In-Service Date)

INPUTS FOR OT	HER COSTS & BEI	NEFITS - EXTERNALL	CALC., FORMS 2.3, 2	2.4, & 2.5		
	(1)	(2)	(3)	(4)	(5)	(6)
	< FORM 2.3>		< FORM 2.4>		< FORM 2.5>	
	Total Resource Te	est	Participants Test		Rate Impact Test	
	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2025	0.0	786.7	0.0	0.0	0.0	0.0
2026	0.0	840.1	0.0	0.0	0.0	0.0
2027	0.0	891.7	0.0	0.0	0.0	0.0
2028	0.0	943.3	0.0	0.0	0.0	0.0
2029	0.0	994.8	0.0	0.0	0.0	0.0
2030	0.0	1043.6	0.0	0.0	0.0	0.0
2031	0.0	1097.4	0.0	0.0	0.0	0.0
2032	0.0	1158.5	0.0	0.0	0.0	0.0
2033	0.0	1227.4	0.0	0.0	0.0	0.0
2034	0.0	1304.4	0.0	0.0	0.0	0.0

CALCUI	LATION OF AFUDC A	ND IN-SERVICE COS	T OF PLANT							
PLANT:	100 MW 4-Hr Batter	y Energy Storage Syst	em (2027 On-Line	Date)						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) INCREMENTAL	(11) CUMULATIVE
	NO. YEARS	PLANT	CUMULATIVE		ANNUAL	CUMULATIVE	CUMULATIVE		YEAR-END	YEAR-END
	BEFORE IN-	ESCALATION R	ATE ESCALATION	YEARLY	SPENDING	AVERAGE	SPENDING WITH	YEARLY TOTAL	BOOK VALUE	BOOK VALUE
YEAR	SERVICE	(%)	FACTOR	EXPENDITURE (%)	(\$/KW)	SPENDING (\$/K\	N) AFUDC (\$/KW)	AFUDC (\$/KW)	(\$/KW)	(\$/KW)
	2025	2	0	0 N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2026	1 2	2.0%	2.0% N/A	N/A	N/A	N/A	N/A	N/A	N/A
	2027	0 2	2.0%	4.0% N/A	:	883 8	83 8	883 N/A	88	3 883
	2028									
	2029									
	2030									
	2031 Note: OU	C's Avoided Unit is a	100 MW, 4-Hr Batte	ery Energy Storage System v	with On-line Dat	te of 2027. The capita	al cost of the Avoided	Unit is shown in 2027	dollars, inclusive of	interest during
	2032				construction	on and escalation.				
	2033									
	2034									
IN-SERV	/ICE YEAR =	2	2027							
PLANT (COSTS (2025 \$)	\$84,871	,203							
AFUDC	RATE	N/A - See Note	above							

AVACII	JED	CEN	IEDV.	$TI \cap NI$	IINII	LDEN	IFFITS

AVOIDED GEN	ILITATION ONLI BLINLITIS	
PROGRAM:	Residential Existing Home Rebates	
* UNIT SIZE O	F AVOIDED GENERATION UNIT =	100,000 kW
* INSERVICE (COSTS OF AVOIDED GEN. UNIT (000) =	\$883 \$/kW

(1)	(1A)* VALUE OF	(2) AVOIDEI) GEN	(2A)	(3)	(4) AVOIDED GEN	(5)	(6)	(6A) AVOIDED	(7)	
	DEFERRAL	UNIT CA	PACITY	AVOIDED ANNUAL	AVOIDED UNIT	UNIT VARIABLE	Δ	AVOIDED GEN	REPLACEMENT FUEL	PURCHASED	AVOIDED	GEN
	FACTOR	COST		UNIT KWH GEN	FIXED O&M COST	O&M COST	ι	JNIT FUEL COST	COST	CAPACITY COSTS	UNIT BENI	EFITS
Year		(\$000)		(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	
	2025	0	0	0	0	(0	0	0	0		281
	2026	0	0	0	0	(0	0	0	0	1	294
	2027	0	8,457	146,000	2,962	(0	6,701	6,829	0	1	307
	2028	0	8,270	146,000	3,021	(0	7,161	7,299	0)	321
	2029	0	8,083	146,000	3,082	(0	6,838	7,029	0)	334
	2030	0	7,896	146,000	3,143	(0	6,598	6,728	0)	348
	2031	0	7,709	146,000	3,206	(0	6,352	6,517	0)	363
	2032	0	7,522	146,000	3,270	(0	6,304	6,475	0)	381
	2033	0	7,336	146,000	3,336	(0	6,140	6,327	0)	401
	2034	0	7,149	146,000	3,402	(0	6,089	6,158	0	1	424
NOMINA	L	0	62,422	1,168,000	25,423	(0	52,182	53,362	0		3,453
NPV			45,283		18,185	(0	37,810	38,663	0)	2,599

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D	AND PROGRAM F	UEL BENEFITS								
PROGRAM:	Residential Existi	ing Home Rebates								
* INSERVICE CO	OSTS OF AVOIDED	O TRANS. (000) =		\$0						
* INSERVICE CO	OSTS OF AVOIDED	D DIST. (000) =		\$0						
(1)	(2)	(3)	(4)		(5)		(6)	(7)	(8)	
	AVOIDED	AVOIDED	TOTAL AVOIDED		AVOIDED		AVOIDED	TOTAL AVOIDED		
	TRANSMISSION	TRANSMISSION	TRANSMISSION		DISTRIBUTION		DISTRIBUTION	DISTRIBUTION	PROGRAM FUE	L
	CAPACITY COST	O&M COST	COST		CAPACITY COST		O&M COST	COST	SAVINGS	
Year	(\$000)	(\$000)	(\$000)		(\$000)		(\$000)	(\$000)	(\$000)	
2025	0)	0	0		0		0	0	298
2026	0		0	0		0		0	0	314
2027	0		0	0		0		0	0	330
2028	0		0	0		0		0	0	346
2029	0		0	0		0		0	0	362
2030	0		0	0		0		0	0	377
2031	0		0	0		0		0	0	395
2032	0		0	0		0		0	0	415

3,738

2,809

NOMINAL

NPV

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET	T: DSM PROGRAM	FUEL SAVINGS				
PROGRAM:	Residential Exist	ing Home Rebates				
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	REDUCTION IN					
	KWH	AVOIDED		INCREASED		
	GENERATION	MARGINAL FUEL	INCREASE IN KWH	MARGINAL FUEL		EFFECTIVE
	NET NEW CUST	COST - REDUCED	GENERATION NET	COST - INCREASE	NET AVOIDED	PROGRAM FUEL
	KWH	KWH	NEW CUST KWH	KWH	FUEL SAVINGS	SAVINGS
YEAR	(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)
2025	5 883	298	(0	0 298	3 298
2026	930	314		0	0 314	314
2027	7 976	330	(0	0 330	330
2028	3 1,024	. 346	(0	0 346	346
2029	9 1,072	362	(0	0 362	362
2030	1,118	377	(0	0 377	377
2033	1,169	395	(0	0 395	395
2032	1,229	415	(0	0 415	415
2033	3 1,297	438	(0	0 438	3 438
2034	1,374	. 464		0	0 464	464
NOMINAL	11,072	3,738		0	0 3,738	3,738
NPV		2,809	(0	0 2,809	2,809

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

ROGRAM:	Residenti	al Existing Home Reba	ates																	
1)	(2)	(3)	(4)	(5	5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14	4)	(15)	(16)	(17)	(18)
	<		UTILITY PF	ROGRAM COST	S & REBATES		>		< PARTICI	PATING CUSTO	1ER COSTS	& BENEFITS	S							>
																				EFFECT.
							TOTAL						RED. REV.	- RED. REV.	EF	FECT REV.	INC. IN	INC. REV	INC. RE	V. REVENUE
	UTIL NON	IREC. UTIL RECUR	TOTAL UT	TL PGM U	TIL NONREC.	UTIL RECUR.	REBATE/INCE	IT. PARTIC.	CUST EQUIP PARTIC. CUST OF	M TOTAL PAR	IC. REDU	JCT. IN	FUEL	NONFUEL	RE	DUCT. IN	CUST.	FUEL	NONFU	EL INC. IN
	COSTS	COSTS	COSTS	RI	EBATES	REBATES	COSTS	COSTS	COSTS	CUST COST	S CUST	. KWH	PORTION	PORTION	BIL	LL	KWH	PORTION	PORTIO	N BILL
EAR	\$(000)	\$(000)	\$(000)	\$((000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	(000)		\$(000)	\$(000)	\$(0	000)	(000)	\$(000)	\$(000)	\$(000)
202	25	1,243	0	1,243	486	6	0	486	1,438	0	L,438	849	43	9	689	1,128	3	0	0	0
202	26	1,314	0	1,314	515	5	0	515	1,524	0	1,524	895	46	2	726	1,189)	0	0	0
202	27	1,383	0	1,383	545	5	0	545	1,609	0	L,609	940	48	6	763	1,248	3	0	0	0
202	28	1,453	0	1,453	574	1	0	574	1,695	0	L,695	985	50	9	799	1,308	3	0	0	0
202	29	1,523	0	1,523	603	3	0	603	1,781	0	l,781	1,032	53	3	837	1,370)	0	0	0
203	30	1,591	0	1,591	632	2	0	632	1,863	0	L,863	1,076	55	5	872	1,428	3	0	0	0
203	31	1,666	0	1,666	663	3	0	663	1,955	0	1,955	1,125	58	1	912	1,493	3	0	0	0
203	32	1,754	0	1,754	699	9	0	699	2,061	0	2,061	1,183	61	0	959	1,569)	0	0	0
203	33	1,852	0	1,852	739	9	0	739	2,181	0	2,181	1,248	64	4 1	1,012	1,656	6	0	0	0
203	34	1,964	0	1,964	785	5	0	785	2,315	0	2,315	1,322	68	2 :	1,071	1,753	3	0	0	0
IOMINAL		15,743	0	15,743	6,241	<u> </u>	0 6	241	18,421	0 1	3,421	10,656	5,50	1 8	3,641	14,142	2	0	0	0
IPV		11,821	0	11,821	4,680)	0 4	680	13,818	0 1	3,818		4,13	4 6	6,494	10,628	3		0	0

PROGRAM:	Residential Exi	sting Home Reb	ates													
(1)	(2)	(3)		(4)	(5)	(6)		(7)	(8)		(9)	(10)	(11)	(12)	(13) Cumulative	
	Increased	Utility Program		Participant Program				Avoided Gen Unit	Avoided T&D		Program Fuel			Net	Discounted Ne	
Year	Supply Costs \$(000)	Costs \$(000)			Other Costs \$(000)	Total Co \$(000)	sts	Benefits \$(000)	Benefits \$(000)		Savings \$(000)	Other Benefits \$(000)	Total Benefits \$(000)	Benefits \$(000)	Benefits \$(000)	
2025	j (0	757	1,438	()	2,195	281		0	298	787	1,365	(830)		
2026	6 (0	798	1,524	()	2,322	294		0	314	840	1,448	(874)	(822	
2027	,	0	838	1,609	()	2,447	307		0	330	892	1,528	(918)	(812	
2028	}	0	879	1,695	()	2,573	321		0	346	943	1,610	(964)	(801	
2029) (0	920	1,781	()	2,701	334		0	362	995	1,691	(1,010)	(789	
2030) (0	959	1,863	()	2,823	348		0	377	1,044	1,769	(1,054)	(775	
2031	. (0 1	,003	1,955	()	2,959	363		0	395	1,097	1,855	(1,104)	(763	
2032	!	0 1	,055	2,061	()	3,115	381		0	415	1,158	1,954	(1,162)	(755	
2033	;	0 1	,113	2,181	()	3,294	401		0	438	1,227	2,066	(1,227)	(750	
2034	. (0 1	,179	2,315	()	3,494	424		0	464	1,304	2,192	(1,302)	(748	
NOMINAL	(0 9	,502	18,421	()	27,923	3,453		0	3,738	10,288	17,479	(10,445)		
NPV	(0 7	,140	13,818	()	20,958	2,599		0	2,809	7,705	13,113	(7,845)		
Discount Rate	6	%														

Benefit/Cost

0.63

PARTICIPANT	COST TEST												
PROGRAM:	Residential Ex	isting Home Rebate:	3										
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)	(10	0)	(11)	(12) Cumulative Discounted
	Savings in						Customer	Customer O&M					Net
	Participants B	ills Tax Credits	Utility Rebates	Other Benefits	Total I	Benefits	Equipment Costs	Costs	Other Costs	Tot	tal Costs	Net Benefits	Benefits
Year	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(0	000)	\$(000)	\$(000)
202	5 1,1	28 78	37 48	6	0	2,400	1,438		0	0	1,438	963	963
2020	6 1,1	89 84	40 51	5	0	2,544	1,524		0	0	1,524	1,020	959
202	7 1,2	48 89	92 54	5	0	2,684	1,609		0	0	1,609	1,075	951
202	8 1,3	08 94	43 57	4	0	2,826	1,695		0	0	1,695	1,131	940
2029	9 1,3	70 99	95 60	3	0	2,968	1,781		0	0	1,781	1,187	928
203	0 1,4	28 1,04	14 63:	2	0	3,103	1,863		0	0	1,863	1,240	911
203	1 1,4	93 1,09	97 66	3	0	3,254	1,955		0	0	1,955	1,298	897
203	2 1,5	69 1,1	58 699	9	0	3,427	2,061		0	0	2,061	1,366	888
203	3 1,6	56 1,22	27 73	9	0	3,622	2,181		0	0	2,181	1,442	881
203	4 1,7	53 1,30	04 78	5	0	3,843	2,315		0	0	2,315	1,528	878
Nominal	14,1	42 10,28	6,24	1	0	30,671	18,421		0	0	18,421	12,249	
NPV	10,6	28 7,70	05 4,68	0	0	23,013	13,818		0	0	13,818	9,196	
Discount Rate	9	6%											
Benefit/Cost	1	.67											

RATE IMPACT	TEST															
PROGRAM:	Residential Exis	sting Home Rebate	S													
(1)	(2)	(3)	(4)	((5)	(6)	(7)		(8)	(9)	(10)	(1	.1)	(12)	(13)	(14)
																Cumulative
	Increased	Utility Program							Avoided Gen Unit &	Avoided T&D				Total		Discounted
	Supply Costs	Costs	Incentives	F	Revenue Losses	Other Costs	Total Cos	sts	Fuel Benefits	Benefits	Revenue Gair	ns O	ther Benefits	Benefits	Net Benefits	Net Benefits
Year	\$(000)	\$(000)	\$(000)	\$	\$(000)	\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$	(000)	\$(000)	\$(000)	\$(000)
2025	5 () 7	57	486	1,128	(0	2,371	579		0	0	C	579	(1,792	(1,792)
2026	6 () 7	98	515	1,189	(0	2,502	608		0	0	C	608	(1,894	(1,781)
2027	7 () 8	38	545	1,248	(0	2,631	637		0	0	C	637	(1,994	(1,763)
2028	8 () 8	79	574	1,308	(0	2,761	666		0	0	C	666	(2,095	(1,742)
2029	9 (9	20	603	1,370	(0	2,893	696		0	0	C	696	(2,197	(1,717)
2030	0 (9	59	632	1,428	(0	3,019	725		0	0	C	725	(2,294	(1,686)
2033	1 (1,0	03	663	1,493	(0	3,160	758		0	0	C	758	(2,402	(1,660)
2032	2 (1,0	55	699	1,569	(0	3,323	795		0	0	C	795	(2,527	(1,643)
2033	3 (1,1	13	739	1,656	(0	3,508	839		0	0	C	839	(2,669	(1,631)
2034	4 (1,1	79	785	1,753	(0	3,718	888		0	0	C	888	(2,830	(1,626)
Nominal	(9,5	02	6,241	14,142	(0	29,885	7,191			0	C	7,191	(22,694	
NPV	(7,1	40	4,680	10,628	(0	22,449	5,408			0	C	5,408	(17,041)
Discount Rate	e 6º	%														

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IINPU		АІА	P	4B I

PROGRAM: Residential Efficiency Delivered

I. PROGRAM DEMAND SAVINGS AND LINE LOSSES IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS (1) BASE YEAR (1) CUSTOMER KW REDUCTION AT THE METER 0.10 KW/CUST 2025 (2) GENERATOR KW REDUCTION PER CUSTOMER 2027 0.10 KW GEN/CUST (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT (3) IN-SERVICE YEAR FOR AVOIDED T & D (3) KW LINE LOSS PERCENTAGE 3.9 % 2027 (4) GENERATION KWH REDUCTION PER CUSTOMER 649 KWH/CUST/YR (4) BASE YEAR AVOIDED GENERATING UNIT COST 849 \$/KW (5) BASE YEAR AVOIDED TRANSMISSION COST (5) KWH LINE LOSS PERCENTAGE 3.9 % 0 \$/KW (6) BASE YEAR DISTRIBUTION COST (6) GROUP LINE LOSS MULTIPLIER 1.0 0 \$/KW (7) GEN, TRAN, & DIST COST ESCALATION RATE (7) CUSTOMER KWH PROGRAM INCREASE AT METER 0.0 KWH/CUST/YR 2 % (8) BASE YEAR GENERATOR FIXED O & M COST (8)* CUSTOMER KWH REDUCTION AT METER 625 KWH/CUST/YR 28 \$/KW/YR (9) GENERATOR FIXED O&M ESCALATION RATE 2.0 % (10) BASE YEAR TRANSMISSION FIXED O & M COST II. ECONOMIC LIFE AND K FACTORS 0 \$/KW/YR (1) STUDY PERIOD FOR CONSERVATION PROGRAM 10 YEARS (11) BASE YEAR DISTRIBUTION FIXED O & M COST 0 \$/KW/YR (12) T&D FIXED O&M ESCALATION RATE (2) GENERATOR ECONOMIC LIFE 30 YEARS 2 % (3) T & D ECONOMIC LIFE (13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS 30 YEARS 0 CENTS/KWH 2.0 % (4) K FACTOR FOR GENERATION (14) GENERATOR VARIABLE O&M COST ESCALATION RATE 1.63 (5) K FACTOR FOR T & D (15) GENERATOR CAPACITY FACTOR 0 16.7 % TS/KWH

III. UTILITY AND

(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	0 CENTS/KWH
		(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	2.0 %
ND CUSTOMER COSTS (2025 BASE YEAR)		(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
(1)** UTILITY NONRECURRING COST PER CUSTOMER	541 \$/CUST	(19)* CAPACITY COST ESCALATION RATE	2.0 %
(2)** UTILITY RECURRING COST PER CUSTOMER	0.0 \$/CUST/YR		
(3) UTILITY COST ESCALATION RATE	2.0 %	V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)	
(4) CUSTOMER EQUIPMENT COST	984 \$/CUST	(1) NON-FUEL COST IN CUSTOMER BILL	12.11 CENTS/KWH
(5) CUSTOMER EQUIPMENT ESCALATION RATE	2.0 %	(2) NON-FUEL ESCALATION RATE	2.0 %
(6) CUSTOMER O & M COST	0.0 \$/CUST/YR	(3) CUSTOMER DEMAND CHARGE PER KW	0.0 \$/KW/MO
(7) CUSTOMER O & M ESCALATION RATE	2.0 %	(4) DEMAND CHARGE ESCALATION RATE	2.0 %
(8)* CUSTOMER TAX CREDIT PER INSTALLATION	544 \$/CUST	(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT	
(9)* CUSTOMER TAX CREDIT ESCALATION RATE	2.0 %	FACTOR FOR CUSTOMER BILL	1.0
(10)* INCREASED SUPPLY COSTS	0.0 \$/CUST/YR		
(11)* SUPPLY COSTS ESCALATION RATE	2.0 %		
(12)* UTILITY DISCOUNT RATE	6.35 %		
(13)* UTILITY AFUDC RATE	6.35 %		

(14)* UTILITY NON RECURRING REBATE/INCENTIVE

(15)* UTILITY RECURRING REBATE/INCENTIVE (16)* UTILITY REBATE/INCENTIVE ESCAL RATE

441 \$/CUST 0.0 \$/CUST/YR

0.0 %

^{*} 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 Efficiency Delivered

^{*} Program Generation Equivalency Factor: 1.00

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
		CUMULATIVE	ADJUSTED							
		TOTAL	CUMULATIVE	UTILITY AVERAGE	AVOIDED	INCREASED	REPLACEMENT	PROGRAM KW	PROGRAM KWH	
		PARTICIPATING	PARTICIPATING	SYSTEM FUEL	MARGINAL FUEL	MARGINAL FUEL	FUEL COST	EFFECTIVENESS	EFFECTIVENESS	
YEAR		CUSTOMERS	CUSTOMERS	COSTS (C/KWH)	COST (C/KWH)	COST (C/KWH)	(C/KWH)	FACTOR	FACTOR	
-	2025	176	176	3.61	3.41	3.61	3.61		1	1
	2026	363	363	4.20	3.87	4.20	4.20)	1	1
	2027	556	556	4.59	4.37	4.59	4.68	3	1	1
	2028	756	756	4.90	4.71	4.90	5.00)	1	1
	2029	965	965	4.68	4.05	4.68	4.81	_	1	1
	2030	1,180	1,180	4.52	3.63	4.52	4.61	L	1	1
	2031	1,405	1,405	4.35	3.51	4.35	4.46	6	1	1
	2032	1,637	1,637	4.32	3.62	4.32	4.43	3	1	1
	2033	1,878	1,878	4.21	3.64	4.21	4.33	3	1	1
	2034	2,127	2,127	4.17	3.77	4.17	4.22	<u>)</u>	1	1

^{*} Avoided Generation Unit: 100 MW 4-Hr Battery Energy Storage System (2027 In-Service Date)

INPUTS FOR OT	HER COSTS & BEI	NEFITS - EXTERNALLY	Y CALC., FORMS 2.3, 2	2.4. & 2.5		
	(1)	(2)	(3)	(4)	(5)	(6)
	< FORM 2.3>		< FORM 2.4>		< FORM 2.5>	
	Total Resource Te	est	Participants Test		Rate Impact Test	
	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2025	0.0	95.8	0.0	0.0	0.0	0.0
2026	0.0	101.9	0.0	0.0	0.0	0.0
2027	0.0	107.9	0.0	0.0	0.0	0.0
2028	0.0	113.8	0.0	0.0	0.0	0.0
2029	0.0	119.6	0.0	0.0	0.0	0.0
2030	0.0	125.3	0.0	0.0	0.0	0.0
2031	0.0	131.0	0.0	0.0	0.0	0.0
2032	0.0	136.6	0.0	0.0	0.0	0.0
2033	0.0	142.2	0.0	0.0	0.0	0.0
2034	0.0	147.7	0.0	0.0	0.0	0.0

		/ Energy Storage Syster									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) INCREMENTAL	(11) CUMULATI\	VE
	NO. YEARS	PLANT	CUMULATIVE		ANNUAL	CUMULATIVE	CUMULATIVE		YEAR-END	YEAR-END	
	BEFORE IN-	ESCALATION RAT	E ESCALATION	YEARLY	SPENDING	AVERAGE	SPENDING WITH	YEARLY TOTAL	BOOK VALUE	BOOK VALU	JE
/EAR	SERVICE	(%)	FACTOR	EXPENDITURE (%)	(\$/KW)	SPENDING (\$/KW)	AFUDC (\$/KW)	AFUDC (\$/KW)	(\$/KW)	(\$/KW)	
	2025	2	0	0 N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	2026	1 0.)2	0.02 N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	2027	0 0.)2	0.0404 N/A	88	33 883	883	3 N/A	883	3	883
	2028										
	2029										
	2029 2030										
	2030	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v	with On-line Date	of 2027. The capital	cost of the Avoided Ur	nit is shown in 2027 (dollars, inclusive of	interest durir	ng
	2030	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		of 2027. The capital and escalation.	cost of the Avoided Ur	nit is shown in 2027 (dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU0 2032	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
IN-SERVI	2030 2031 Note: OU0 2032 2033	C's Avoided Unit is a 10		ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU0 2032 2033 2034		27	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng

MMOIDED	\triangle ENIEDATIONI	UNIT BENEFITS
	CENTERVILLIN	IIMIII BENIEELIS

PROGRAM:	Residential Efficiency Delivered	
* UNIT SIZE O	F AVOIDED GENERATION UNIT =	100,000 kW
* INSERVICE	COSTS OF AVOIDED GEN. UNIT (000) =	\$883 \$/kW

* INSERVICE	COSTS OF AVOI	DED GEN. U	NIT (000) =	\$883	\$/kW					
(1)	(1A)* VALUE OF	(2) AVOIDE	D GEN	(2A)	(3)	(4) AVOIDED GEN	(5)	(6)	(6A) AVOIDED	(7)
	DEFERRAL	UNIT CA	PACITY	AVOIDED ANNUAL	AVOIDED UNIT	UNIT VARIABLE	AVOIDED GEN	REPLACEMENT FUEL	PURCHASED	AVOIDED GEN
	FACTOR	COST		UNIT KWH GEN	FIXED O&M COST	O&M COST	UNIT FUEL COST	COST	CAPACITY COSTS	UNIT BENEFITS
Year		(\$000)		(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
202	25	0	0	0	0	0) (0	C) 36
202	26	0	0	0	0	0) (0	C	38
202	27	0	8,457	146,000	2,962	0	6,701	6,829	C) 39
202	28	0	8,270	146,000	3,021	0	7,161	7,299	C) 40
202	29	0	8,083	146,000	3,082	0	6,838	7,029	C) 42
203	30	0	7,896	146,000	3,143	0	6,598	6,728	C) 43
203	31	0	7,709	146,000	3,206	0	6,352	6,517	C) 45
203	32	0	7,522	146,000	3,270	0	6,304	6,475	C) 46
203	33	0	7,336	146,000	3,336	0	6,140	6,327	C) 48
203	34	0	7,149	146,000	3,402	0	6,089	6,158	C) 49
NOMINAL		0	62,422	1,168,000	25,423	0	52,182	53,362	C) 426
NPV			45,283		18,185	0	37,810	38,663	C	323
* CLIDDI EME	NTAL INFORMAT	ION NOT CDI	CIEIED IN	WODEBOOK						

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D	AND PROGRAM F	UEL BENEFITS									
PROGRAM:	Residential Effici	ency Delivered									
* INSERVICE C	OSTS OF AVOIDE	O TRANS. (000) =	9	\$0							
* INSERVICE C	OSTS OF AVOIDE	D DIST. (000) =		\$0							
(1)	(2)	(3)	(4)		(5)		(6)	((7)	(8)	
	AVOIDED	AVOIDED	TOTAL AVOIDED		AVOIDED		AVOIDED	٦	TOTAL AVOIDED		
	TRANSMISSION	TRANSMISSION	TRANSMISSION		DISTRIBUTION		DISTRIBUTION	[DISTRIBUTION	PROGRAM F	UEL
	CAPACITY COST	O&M COST	COST		CAPACITY COST		O&M COST	(COST	SAVINGS	
Year	(\$000)	(\$000)	(\$000)		(\$000)		(\$000)	((\$000)	(\$000)	
2025	0		0	0		0		0		0	39
2026	0)	0	0		0		0		0	41
2027	, o)	0	0		0		0		0	42
2028	0)	0	0		0		0		0	44
2029	0		0	0		0		0		0	46
2030	0		0	0		0		0		0	47
2031	. 0		0	0		0		0		0	49
2032	2 0		0	0		0		0		0	51
2033	3 0		0	0		0		0		0	53
2034	0		0	0		0		0		0	54
NOMINAL	O		0	0		0		0		0	466

NPV

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET	: DSM PROGRAM	FUEL SAVINGS				
PROGRAM:	Residential Effici	ency Delivered				
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	REDUCTION IN					
	KWH	AVOIDED		INCREASED		
	GENERATION	MARGINAL FUEL	INCREASE IN KWH	MARGINAL FUEL		EFFECTIVE
	NET NEW CUST	COST - REDUCED	GENERATION NET	COST - INCREASE	NET AVOIDED	PROGRAM FUEL
	KWH	KWH	NEW CUST KWH	KWH	FUEL SAVINGS	SAVINGS
YEAR	(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)
2025	5 114	. 39	() () 39	39
2026	3 119	41	() () 41	41
2027	7 125	42	() () 42	2 42
2028	3 130	44	() () 44	44
2029	9 135	46	() () 46	3 46
2030) 140	47	() () 47	47
2031	l 145	49	() () 49	49
2032	2 151	. 51	() (51	51
2033	3 156	53	() (53	53
2034	161	. 54	() () 54	54
NOMINAL	1,377	466	() () 466	3 466
NPV		352	() (352	352

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

PROGRA	M: Resi	idential Effic	ciency Delivered																
(1)	(2)		(3)	(4)		(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
		<		UTILITY PROGR	RAM CO	STS & REBATES		>	<	PAR	RTICIPATING CUSTOME	R COSTS & BENE	FITS						
																			EFFEC
								TOTAL					RED. REV	RED. REV.	EFFECT REV.	INC. IN	INC. REV	INC. REV	. REVE
	UTIL	NONREC.	UTIL RECUR	TOTAL UTIL PO	GM	UTIL NONREC.	UTIL RECUR.	REBATE/INCEN	T. PARTIC. CUST	PARTIC. CU	JST O&M TOTAL PARTI	C. REDUCT. IN	FUEL	NONFUEL	REDUCT. IN	CUST.	FUEL	NONFUE	L INC. II
	COS	STS	COSTS	COSTS		REBATES	REBATES	COSTS	EQUIP COSTS	COSTS	CUST COSTS	CUST. KWH	PORTION	PORTION	BILL	KWH	PORTION	PORTION	1 BILL
YEAR	\$(00	00)	\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)
	2025	17	3	0	173	7	'8	0	78	173	0	173 11	10 !	58	90 14	8	0	0	0
	2026	18	3	0	183	8	33	0	83	182	0	182 13	15 6	60	94 15	4	0	0	0
	2027	19	0	0	190	8	86	0	86	192	0	192 12	20	63	98 16	1	0	0	0
	2028	19	8	0	198	9	90	0	90	201	0	201 12	25 6	65	102 16	8	0	0	0
	2029	20	7	0	207	9	94	0	94	210	0	210 13	30 6	68	106 17	4	0	0	0
	2030	21	4	0	214	9	8	0	98	219	0	219 13	35	70	110 18	1	0	0	0
	2031	22	4	0	224	10)3	0	103	228	0	228 14	10	73	114 18	7	0	0	0
	2032	23	1	0	231	10	06	0	106	238	0	238 14	15	75	118 19	4	0	0	0
	2033	24	0	0	240	11	.0	0	110	247	0	247 15	50	78	122 20	0	0	0	0
	2034	24	8	0	248	11	.4	0	114	256	0	256 15	55 8	30	126 20	7	0	0	0
NOMINA	L	2,10	7	0	2,107	96	61	0 9	961	2,147	0 2,	1,32	25 69	90 1	083 1,77	3	0	0	0
NPV		1,59	0	0	1,590	72	25	0	725	1,617	0 1,	617	52	21	819 1,34	.0	(0	0

TOTAL RESOL	JRCE COST TEST													
PROGRAM:	Residential Eff	ciency Delivered												
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)		(9)	(10)	(11)	(12)	(13)
														Cumulative
	Increased	Utility Program	Participant P	Program			Avoided Gen Unit	Avoided T&D		Program Fuel				Discounted Net
	Supply Costs	Costs	Costs	Other Costs	Total Cos	sts	Benefits	Benefits		Savings	Other Benefits	Total Benefits	Net Benefits	Benefits
Year	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)		\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
202	.5	0 9	95	173	0	268	36		0	39	96	5 171	(97)	(97)
202	26	0 9	9	182	0	282	38		0	41	102	2 180	(102)	(96)
202	27	0 10)4	192	0	296	39		0	42	2 108	189	(106)	(94)
202	.8	0 10)8	201	0	309	40		0	44	114	198	(111)	(92)
202	.9	0 11	.2	210	0	323	42		0	46	5 120	207	(115	(90)
203	80	0 11	.7	219	0	336	43		0	47	7 12	5 216	(120)	(88)
203	31	0 12	21	228	0	350	45		0	49	9 13:	1 225	(125)	(86)
203	32	0 12	25	238	0	363	46		0	51	l 137	7 234	(129)	(84)
203	33	0 13	80	247	0	377	48		0	53	3 142	2 242	(134)	(82)
203	34	0 13	34	256	0	390	49		0	54	148	3 251	(139)	(80)
NOMINAL		0 1,14	16	2,147	0	3,293	426		0	466	5 1,222	2,114	(1,179)	
NPV		0 86	66	1,617	0	2,483	323		0	352	918	3 1,593	(890)	
Discount Rat	e 6	%												

PARTICIPANT	COST TEST										
PROGRAM:	Residential Effic	ciency Delivered									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
											Cumulative
	Savings in					Customer	Customer O&M				Discounted
	Participants Bill	s Tax Credits	Utility Rebates	Other Benefits	Total Benefits	Equipment Costs	Costs	Other Costs	Total Costs	Net Benefits	Net Benefits
Year	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
202	25 148	96	78	0	321	173	(0	0 173	148	148
202	26 154	102	83	0	339	182	(0	0 182	157	148
202	27 161	. 108	86	0	355	192	(0	0 192	164	145
202	28 168	3 114	90	0	371	201	(0 (0 201	171	142
202	29 174	120	94	0	388	210	(0	0 210	178	139
203	30 181	. 125	98	0	404	219	(0 (0 219	184	135
203	31 187	' 131	103	0	421	228	(0 (0 228	192	133
203	32 194	137	106	0	436	238	(0	0 238	198	129
203	33 200	142	110	0	452	247	(0	0 247	205	125
203	34 207	148	114	0	468	256		0	0 256	212	122
Nominal	1,773	1,222	961	0	3,956	2,147		0 (0 2,147	1,809	
NPV	1,340	918	725	0	2,982	1,617		0	0 1,617	1,365	
Discount Rate	e 6º	%									

RATE IMPACT	TEST																
PROGRAM:	Residential Effi	ciency Delivere	d														
(1)	(2)	(3)	(4)	(5)	(6)		(7)		(8)	(9)	(10)		(11)	(12)	(13)	(14	4)
																Cu	ımulative
	Increased	Utility Progra	am						Avoided Gen Unit &	Avoided T&D				Total		Dis	scounted
	Supply Costs	Costs	Incentives	Reven	ue Losses Oth	er Costs	Total Costs		Fuel Benefits	Benefits	Reven	ue Gains	Other Benefit	s Benefits	Net Benefits	Ne	et Benefits
Year	\$(000)	\$(000)	\$(000)	\$(000) \$(00	00)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(0	000)
202	25	0	95	78	148	0		321	7:	5	0	0		0 7	5 (2	45)	(245)
202	26	0	99	83	154	0		337	78	8	0	0	1	0 7	8 (2	59)	(243)
202	27	0	104	86	161	0		351	8	1	0	0		0 8	1 (2	70)	(239)
202	28	0	108	90	168	0		366	84	4	0	0	1	0 8	4 (2	81)	(234)
202	29	0	112	94	174	0		381	88	8	0	0	1	0 8	8 (2	93)	(229)
203	80	0	117	98	181	0		395	9	1	0	0	1	0 9	1 (3	04)	(224)
203	31	0	121	103	187	0		411	94	4	0	0	1	0 9	4 (3	17)	(219)
203	32	0	125	106	194	0		425	9.	7	0	0		0 9	7 (3	28)	(213)
203	33	0	130	110	200	0		440	100	0	0	0	1	0 10	0 (3	39)	(207)
203	34	0	134	114	207	0		455	103	3	0	0		0 10	3 (3	51)	(202)
Nominal		0	1,146	961	1,773	0	3,	880	892	2		0		0 89	2 (2,9	88)	
NPV		0	866	725	1,340	0	2,	930	67	5		0	1	0 67	5 (2,2	55)	
Discount Rat	e 6	%															

INPUT DATA PA	RT	1
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PROGRAM:	Residential New Home Rebates			
I. PROGRAN	M DEMAND SAVINGS AND LINE LOSSES		IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS	
	(1) CUSTOMER KW REDUCTION AT THE METER	0.10 KW/CUST	(1) BASE YEAR	2025
	(2) GENERATOR KW REDUCTION PER CUSTOMER	0.11 KW GEN/CUST	(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2027
	(3) KW LINE LOSS PERCENTAGE	3.9 %	(3) IN-SERVICE YEAR FOR AVOIDED T & D	2027
	(4) GENERATION KWH REDUCTION PER CUSTOMER	597 KWH/CUST/YR	(4) BASE YEAR AVOIDED GENERATING UNIT COST	849 \$/KW
	(5) KWH LINE LOSS PERCENTAGE	3.9 %	(5) BASE YEAR AVOIDED TRANSMISSION COST	0 \$/KW
	(6) GROUP LINE LOSS MULTIPLIER	1.0	(6) BASE YEAR DISTRIBUTION COST	0 \$/KW
	(7) CUSTOMER KWH PROGRAM INCREASE AT METER	0.0 KWH/CUST/YR	(7) GEN, TRAN, & DIST COST ESCALATION RATE	2 %
	(8)* CUSTOMER KWH REDUCTION AT METER	574 KWH/CUST/YR	(8) BASE YEAR GENERATOR FIXED O & M COST	28 \$/KW/YR
			(9) GENERATOR FIXED O&M ESCALATION RATE	2.0 %
II. ECONON	1IC LIFE AND K FACTORS		(10) BASE YEAR TRANSMISSION FIXED O & M COST	0 \$/KW/YR
	(1) STUDY PERIOD FOR CONSERVATION PROGRAM	10 YEARS	(11) BASE YEAR DISTRIBUTION FIXED O & M COST	0 \$/KW/YR
	(2) GENERATOR ECONOMIC LIFE	30 YEARS	(12) T&D FIXED O&M ESCALATION RATE	2 %
	(3) T & D ECONOMIC LIFE	30 YEARS	(13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS	0 CENTS/KWH
	(4) K FACTOR FOR GENERATION	1.63	(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.0 %
	(5) K FACTOR FOR T & D	0	(15) GENERATOR CAPACITY FACTOR	16.7 %
	(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	0 CENTS/KWH
			(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	2.0 %
III. UTILITY	AND CUSTOMER COSTS (2025 BASE YEAR)		(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
	(1)** UTILITY NONRECURRING COST PER CUSTOMER	518 \$/CUST	(19)* CAPACITY COST ESCALATION RATE	2.0 %
	(2)** UTILITY RECURRING COST PER CUSTOMER	0.0 \$/CUST/YR		
	(3) UTILITY COST ESCALATION RATE	2.0 %	V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)	
	(4) CUSTOMER EQUIPMENT COST	1,018 \$/CUST	(1) NON-FUEL COST IN CUSTOMER BILL	12.11 CENTS/KWH
	(5) CUSTOMER EQUIPMENT ESCALATION RATE	2.0 %	(2) NON-FUEL ESCALATION RATE	2.0 %
	(6) CUSTOMER O & M COST	0.0 \$/CUST/YR	(3) CUSTOMER DEMAND CHARGE PER KW	0.0 \$/KW/MO
	(7) CUSTOMER O & M ESCALATION RATE	2.0 %	(4) DEMAND CHARGE ESCALATION RATE	2.0 %
	(8)* CUSTOMER TAX CREDIT PER INSTALLATION	566 \$/CUST	(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT	
	(9)* CUSTOMER TAX CREDIT ESCALATION RATE	2.0 %	FACTOR FOR CUSTOMER BILL	1.0
	(10)* INCREASED SUPPLY COSTS	0.0 \$/CUST/YR		
	(11)* SUPPLY COSTS ESCALATION RATE	2.0 %		
	(12)* UTILITY DISCOUNT RATE	6.35 %		
	(13)* UTILITY AFUDC RATE	6.35 %		
	(14)* UTILITY NON RECURRING REBATE/INCENTIVE	354 \$/CUST		
	(15)* UTILITY RECURRING REBATE/INCENTIVE	0.0 \$/CUST/YR		
	(16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0 %		

^{*} 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 New Home Rebates

^{*} Program Generation Equivalency Factor: 1.00

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
		CUMULATIVE	ADJUSTED							
		TOTAL	CUMULATIVE	UTILITY AVERAGE	AVOIDED	INCREASED	REPLACEMENT	PROGRAM KW	PROGRAM KWH	
		PARTICIPATING	PARTICIPATING	SYSTEM FUEL	MARGINAL FUEL	MARGINAL FUEL	FUEL COST	EFFECTIVENESS	EFFECTIVENESS	
YEAR		CUSTOMERS	CUSTOMERS	COSTS (C/KWH)	COST (C/KWH)	COST (C/KWH)	(C/KWH)	FACTOR	FACTOR	
•	2025	196	196	3.61	3.41	3.61	3.61		1	1
	2026	403	403	4.20	3.87	4.20	4.20)	1	1
	2027	619	619	4.59	4.37	4.59	4.68	3	1	1
	2028	846	846	4.90	4.71	4.90	5.00)	1	1
	2029	1,084	1,084	4.68	4.05	4.68	4.81	_	1	1
	2030	1,332	1,332	4.52	3.63	4.52	4.61	L	1	1
	2031	1,592	1,592	4.35	3.51	4.35	4.46	6	1	1
	2032	1,865	1,865	4.32	3.62	4.32	4.43	3	1	1
	2033	2,154	2,154	4.21	3.64	4.21	4.33	3	1	1
	2034	2,460	2,460	4.17	3.77	4.17	4.22	<u>)</u>	1	1

^{*} Avoided Generation Unit: 100 MW 4-Hr Battery Energy Storage System (2027 In-Service Date)

INPUTS FOR OT	HER COSTS & BEI	NEFITS - EXTERNALLY	Y CALC., FORMS 2.3, 2	2.4. & 2.5		
	(1)	(2)	(3)	(4)	(5)	(6)
	< FORM 2.3>		< FORM 2.4>		< FORM 2.5>	
	Total Resource Te	est	Participants Test		Rate Impact Test	
	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2025	0.0	111.0	0.0	0.0	0.0	0.0
2026	0.0	118.6	0.0	0.0	0.0	0.0
2027	0.0	125.9	0.0	0.0	0.0	0.0
2028	0.0	133.2	0.0	0.0	0.0	0.0
2029	0.0	140.6	0.0	0.0	0.0	0.0
2030	0.0	147.5	0.0	0.0	0.0	0.0
2031	0.0	155.2	0.0	0.0	0.0	0.0
2032	0.0	163.8	0.0	0.0	0.0	0.0
2033	0.0	173.6	0.0	0.0	0.0	0.0
2034	0.0	184.6	0.0	0.0	0.0	0.0

		/ Energy Storage Syster									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) INCREMENTAL	(11) CUMULATI\	VE
	NO. YEARS	PLANT	CUMULATIVE		ANNUAL	CUMULATIVE	CUMULATIVE		YEAR-END	YEAR-END	
	BEFORE IN-	ESCALATION RAT	E ESCALATION	YEARLY	SPENDING	AVERAGE	SPENDING WITH	YEARLY TOTAL	BOOK VALUE	BOOK VALU	JE
/EAR	SERVICE	(%)	FACTOR	EXPENDITURE (%)	(\$/KW)	SPENDING (\$/KW)	AFUDC (\$/KW)	AFUDC (\$/KW)	(\$/KW)	(\$/KW)	
	2025	2	0	0 N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	2026	1 0.)2	0.02 N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	2027	0 0.)2	0.0404 N/A	88	33 883	883	3 N/A	883	3	883
	2028										
	2029										
	2029 2030										
	2030	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v	with On-line Date	of 2027. The capital	cost of the Avoided Ur	nit is shown in 2027 (dollars, inclusive of	interest durir	ng
	2030	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		of 2027. The capital and escalation.	cost of the Avoided Ur	nit is shown in 2027 (dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU0 2032	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
IN-SERVI	2030 2031 Note: OU0 2032 2033	C's Avoided Unit is a 10		ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU0 2032 2033 2034		27	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng

AVOIDED GEN	NERATION UNIT E	BENEFITS										
PROGRAM:	Residential Ne	w Home Rebates										
* UNIT SIZE O	F AVOIDED GENE	ERATION UNIT =	100,000 kW									
* INSERVICE (COSTS OF AVOID	ED GEN. UNIT (000)	=	883 \$/kW								
(1)	(1A)* VALUE OF	(2) AVOIDED GEN	(2A)	(3)		(4) AVOIDED GEN	(5)		(6)	(6A) AVOIDED	(7)	
	DEFERRAL	UNIT CAPACITY	AVOIDED ANNUA	AL AVOIDED UNI	IT (UNIT VARIABLE	AVOIDED GEN		REPLACEMENT FUEL	PURCHASED	AVOIDED GEN	i
	FACTOR	COST	UNIT KWH GEN	FIXED O&M C	OST (O&M COST	UNIT FUEL CO	ST	COST	CAPACITY COSTS	UNIT BENEFITS	S
Year		(\$000)	(000)	(\$000)	((\$000)	(\$000)		(\$000)	(\$000)	(\$000)	
202	5	0	0	0	0	()	0	0	()	36
2020	6	0	0	0	0	()	0	0	()	38
202	7	0 8,4	57 146,	000	2,962	() 6	,701	6,829	()	40
2028	8	0 8,2	70 146,	000	3,021	() 7	,161	7,299	()	42
2029	9	0 8,0	3 146,	000	3,082	() 6	,838	7,029	()	44

3,143

3,206

3,270

3,336

3,402

25,423

18,185

0

0

0

0

0

0

0

6,598

6,352

6,304

6,140

6,089

52,182

37,810

6,728

6,517

6,475

6,327

6,158

53,362

38,663

46

48

51

54

57

457

343

0

0

0

0

0

0

0

0

0

0

0

0.0000

7,896

7,709

7,522

7,336

7,149

62,422

45,283

146,000

146,000

146,000

146,000

146,000

1,168,000

2030

2031

2032

2033

2034

NOMINAL

NPV

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D	AND PROGRAM F	UEL BENEFITS								
PROGRAM:	Residential New	Home Rebates								
* INSERVICE C	OSTS OF AVOIDE	O TRANS. (000) =	9	\$0						
* INSERVICE C	OSTS OF AVOIDE	D DIST. (000) =	9	\$0						
(1)	(2)	(3)	(4)		(5)		(6)	(7)	(8)	
	AVOIDED	AVOIDED	TOTAL AVOIDED		AVOIDED		AVOIDED	TOTAL AVOIDED		
	TRANSMISSION	TRANSMISSION	TRANSMISSION		DISTRIBUTION		DISTRIBUTION	DISTRIBUTION	PROGRAM FUEL	
	CAPACITY COST	O&M COST	COST		CAPACITY COST		O&M COST	COST	SAVINGS	
Year	(\$000)	(\$000)	(\$000)		(\$000)		(\$000)	(\$000)	(\$000)	
2025	0)	0	0		0		0	0	39
2026	0		0	0		0		0	0	42
2027	0		0	0		0		0	0	44
2028	0		0	0		0		0	0	46
2029	0		0	0		0		0	0	49
2030	0		0	0		0		0	0	51
2031	0		0	0		0		0	0	53
2032	0		0	0		0		0	0	56
2033	0		0	0		0		0	0	60
2034	0		0	0		0		0	0	63
NOMINAL	0	1	0	0		0		0	0	504

NPV

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET	: DSM PROGRAM	FUEL SAVINGS				
PROGRAM:	Residential New	Home Rebates				
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	REDUCTION IN					
	KWH	AVOIDED		INCREASED		
	GENERATION	MARGINAL FUEL	INCREASE IN KWH	MARGINAL FUEL		EFFECTIVE
	NET NEW CUST	COST - REDUCED	GENERATION NET	COST - INCREASE	NET AVOIDED	PROGRAM FUEL
	KWH	KWH	NEW CUST KWH	KWH	FUEL SAVINGS	SAVINGS
YEAR	(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)
2025	117	39	()	0 39	39
2026	3 124	42	()	0 42	2 42
2027	7 131	44	()	0 44	44
2028	3 138	46	()	0 46	3 46
2029	145	49	()	0 49	9 49
2030	152	51	()	0 51	51
2031	159	53	()	0 53	53
2032	2 168	56	()	0 56	56
2033	3 178	60	()	0 60	60
2034	189	63	()	0 63	8 63
NOMINAL	1,499	504)	504	504
NPV		378	()	0 378	378

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
(-)								PARTICIPA						, ,			
			OHEH THOOTIN	1100010 41125/1120				1711110117	111110 00010112	1 00010 & DEIVE	110						EF
						TOTAL					RFD. RFV.	RED. REV.	FFFFCT R	EV. INC. IN	INC. RF	V INC. RE	
	LITII NOI	NREC. UTIL RECUR	TOTAL UTIL PGI	M UTIL NONREC.	UTIL RECUR.	REBATE/INCENT	. PARTIC. CUST	PARTIC. CUST O8	M TOTAL PARTIC	REDUCT IN	FUEL	NONFUEL				NONFU	
	COSTS	COSTS	COSTS	REBATES	REBATES	COSTS	EQUIP COSTS	COSTS	CUST COSTS		PORTION	PORTION	BILL	KWH		N PORTIO	
YEAR	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)	(000)	\$(000)	\$(000)	\$(0
	2025	171	0	171	69		φ(σσσ) 69	199		.99 11		- φ(σσσ) 57	90	147	0	0	0
	2026	181	0	181	74		74	212		12 11		61	96	156	0	0	0
	2027	191	0	191	77		77	224		224 12		64	101	165	0	0	0
	2028	201	0	201	82		32	236		36 13		68	106	174	0	0	0
	2029	212	0	212	86		36	249		49 13		71	112	183	0	0	0
	2030	221	0	221	90		90	260		1460		75	117	192	0	0	0
	2031	233	0	233	95		95	273		.73 15	53	78	123	202	0	0	0
2	.032	245	0	245	99		99	289	0 2	189	61	83	130	213	0	0	0
2	.033	260	0	260	106	0 10	06	306	0 3	306 17	71	88	137	225	0	0	0
2	.034	275	0	275	112	0 11	12	325	0 3	25 18	31	93	146	239	0	0	0
NOMINAL		2,191	0 2	2,191	890	0 89	90	2,573	0 2,5	73 1,44	13 7	38 1	1,159 1	.,897	0	0	0
NPV		1,643	0 1	.,643	668	0 66	68	1,929	0 1,9	29	5	53	869 1	,422		0	0

TOTAL RESOL	JRCE COST TEST														
PROGRAM:	Residential Ne	w Home Rebates													
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)		(9)	(10)	(11)	(12)	(13)
															Cumulative
	Increased	Utility Program	Participant Pro	ogram			Avoided Gen Unit	Avoided T&D		Program Fuel					Discounted Net
	Supply Costs	Costs	Costs	Other Costs	Total Cos	ts	Benefits	Benefits		Savings	(Other Benefits	Total Benefits	Net Benefits	Benefits
Year	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)		\$(000)	\$(000)		\$(000)	\$	(000)	\$(000)	\$(000)	\$(000)
202	5	0 10)1	199	0	301	36		0		39	111	186	(115) (115)
202	6	0 10)8	212	0	319	38		0		42	119	198	(121) (114)
202	7	0 1:	13	224	0	337	40		0		44	126	210	(128) (113)
202	8	0 12	20	236	0	356	42		0		46	133	222	(134) (112)
202	9	0 12	26	249	0	374	44		0		49	141	233	(141) (110)
203	0	0 13	32	260	0	392	46		0		51	148	245	(147) (108)
203	1	0 13	38	273	0	412	48		0		53	155	257	(155) (107)
203	2	0 14	16	289	0	434	51		0		56	164	271	(163) (106)
203	3	0 1	54	306	0	460	54		0		60	174	287	(172) (105)
203	4	0 16	64	325	0	488	57		0		63	185	305	(183	(105)
NOMINAL	-	0 1,30	00 2	2,573	0	3,873	457		0		504	1,454	2,415	(1,458)
NPV	(0 97	75 1	1,929	0	2,904	343		0		378	1,089	1,809	(1,094)
Discount Rate	e 6	%													

PARTICIPANT	COST TEST														
PROGRAM:	Residential	New Home Rebate:	S												
(1)	(2)	(3)		(4)	(5)		(6)	(7)	(8)	(9)		(10)	(11)		(12) Cumulative
	Savings in							Customer	Customer O&M						Discounted
	Participants	Bills Tax Credits		Utility Rebates	Other Benefits		Total Benefits	Equipment Costs	Costs	Other Costs		Total Costs	Net Benefit	S	Net Benefits
Year	\$(000)	\$(000)		\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)		\$(000)	\$(000)		\$(000)
202	5	147	111	69		0	328	199		0	0	199	-	128	128
202	6	156	119	74		0	349	212		0	0	212	-	137	129
202	.7	165	126	77	,	0	369	224		0	0	224	-	145	128
202	8	174	133	82		0	389	236		0	0	236	:	153	127
202	9	183	141	86	i	0	410	249		0	0	249	:	162	126
203	0	192	148	90		0	429	260		0	0	260	:	169	124
203	1	202	155	95		0	451	273		0	0	273	:	178	123
203	2	213	164	99	1	0	476	289		0	0	289	-	187	122
203	3	225	174	106	i	0	504	306		0	0	306	:	199	121
203	4	239	185	112		0	535	325		0	0	325	2	211	121
Nominal	1,	897	1,454	890		0	4,241	2,573		0	0	2,573	1,6	668	
NPV	1,	422	1,089	668		0	3,179	1,929		0	0	1,929	1,2	250	
Discount Rate	е	6%													

RATE IMPACT	TEST																
PROGRAM:	Residential Nev	v Home Rebates															
(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)		(10)	(11)	(12)	(13)	(14)	
																Cum	ulative
	Increased	Utility Program	า						Avoided Gen Unit &	Avoided T&D				Total		Disco	ounted
	Supply Costs	Costs	Incentives	Reve	nue Losses C	Other Costs	Total Costs		Fuel Benefits	Benefits		Revenue Gains	Other Benefit	s Benefits	Net Benefits	Net E	Benefits
Year	\$(000)	\$(000)	\$(000)	\$(00	0) \$	8(000)	\$(000)		\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(00	0)
202	5	0	101	69	147	C)	318	75		0	0		0 7	5 (2	13)	(243)
202	6	0	108	74	156	C)	338	80		0	0		0 8	0 (2	58)	(243)
202	7	0	113	77	165	C)	356	84	ļ.	0	0		0 8	4 (2	72)	(241)
202	3	0	120	82	174	C	1	376	88	}	0	0		0 8	8 (2	37)	(239)
202	9	0	126	86	183	C	1	395	93	}	0	0		0 9	3 (3	02)	(236)
203)	0	132	90	192	C	1	413	97	•	0	0		0 9	7 (3	L6)	(232)
203	1	0	138	95	202	C	1	434	102		0	0		0 10	2 (3	32)	(230)
203	2	0	146	99	213	C	1	457	107	•	0	0		0 10	7 (3	50)	(228)
203	3	0	154	106	225	C	1	485	114	Į.	0	0		0 11	4 (3	71)	(227)
203	4	0	164	112	239	C	1	514	121		0	0		0 12	1 (3	94)	(226)
Nominal		0 1	,300	890	1,897	C)	1,087	961			0		0 96	1 (3,1	27)	
NPV	(0	975	668	1,422	C	3	3,065	721			0		0 72	1 (2,3	14)	
Discount Rate	6	%															

INPUT DATA PROGRAM:	PART 1 Commercial/Industrial Prescriptive Rebates			
I. PROGRAM	DEMAND SAVINGS AND LINE LOSSES		IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS	
	(1) CUSTOMER KW REDUCTION AT THE METER	2.60 KW/CUST	(1) BASE YEAR	2025
	(2) GENERATOR KW REDUCTION PER CUSTOMER	2.71 KW GEN/CUST	(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2027
	(3) KW LINE LOSS PERCENTAGE	3.9 %	(3) IN-SERVICE YEAR FOR AVOIDED T & D	2027
	(4) GENERATION KWH REDUCTION PER CUSTOMER	18,896 KWH/CUST/YR	(4) BASE YEAR AVOIDED GENERATING UNIT COST	849 \$/KW
	(5) KWH LINE LOSS PERCENTAGE	3.9 %	(5) BASE YEAR AVOIDED TRANSMISSION COST	0 \$/KW
	(6) GROUP LINE LOSS MULTIPLIER	1.0	(6) BASE YEAR DISTRIBUTION COST	0 \$/KW
	(7) CUSTOMER KWH PROGRAM INCREASE AT METER	0.0 KWH/CUST/YR	(7) GEN, TRAN, & DIST COST ESCALATION RATE	2 %
	(8)* CUSTOMER KWH REDUCTION AT METER	18,187 KWH/CUST/YR	(8) BASE YEAR GENERATOR FIXED O & M COST	28 \$/KW/YR
			(9) GENERATOR FIXED O&M ESCALATION RATE	2.0 %
II. ECONOMI	C LIFE AND K FACTORS		(10) BASE YEAR TRANSMISSION FIXED O & M COST	0 \$/KW/YR
	(1) STUDY PERIOD FOR CONSERVATION PROGRAM	10 YEARS	(11) BASE YEAR DISTRIBUTION FIXED O & M COST	0 \$/KW/YR
	(2) GENERATOR ECONOMIC LIFE	30 YEARS	(12) T&D FIXED O&M ESCALATION RATE	2 %
	(3) T & D ECONOMIC LIFE	30 YEARS	(13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS	0 CENTS/KWH
	(4) K FACTOR FOR GENERATION	1.63	(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.0 %
	(5) K FACTOR FOR T & D	0	(15) GENERATOR CAPACITY FACTOR	16.7 %
	(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	0 CENTS/KWH
			(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	2.0 %
III. UTILITY AI	ND CUSTOMER COSTS (2025 BASE YEAR)		(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
	(1)** UTILITY NONRECURRING COST PER CUSTOMER	971 \$/CUST	(19)* CAPACITY COST ESCALATION RATE	2.0 %
	(2)** UTILITY RECURRING COST PER CUSTOMER	0.0 \$/CUST/YR		
	(3) UTILITY COST ESCALATION RATE	2.0 %	V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)	
	(4) CUSTOMER EQUIPMENT COST	7,453 \$/CUST	(1) NON-FUEL COST IN CUSTOMER BILL	10.29 CENTS/KWH
	(5) CUSTOMER EQUIPMENT ESCALATION RATE	2.0 %	(2) NON-FUEL ESCALATION RATE	2.0 %
	(6) CUSTOMER O & M COST	0.0 \$/CUST/YR	(3) CUSTOMER DEMAND CHARGE PER KW	0.0 \$/KW/MO
	(7) CUSTOMER O & M ESCALATION RATE	2.0 %	(4) DEMAND CHARGE ESCALATION RATE	2.0 %
	(8)* CUSTOMER TAX CREDIT PER INSTALLATION	0 \$/CUST	(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT	
	(9)* CUSTOMER TAX CREDIT ESCALATION RATE	2.0 %	FACTOR FOR CUSTOMER BILL	1.0

(10)* INCREASED SUPPLY COSTS

(11)* SUPPLY COSTS ESCALATION RATE

(12)* UTILITY DISCOUNT RATE

(13)* UTILITY AFUDC RATE

(14)* UTILITY NON RECURRING REBATE/INCENTIVE

(15)* UTILITY RECURRING REBATE/INCENTIVE(16)* UTILITY REBATE/INCENTIVE ESCAL RATE

0.0 \$/CUST/YR

2.0 %

6.35 %

6.35 %

0.0 %

4,004 \$/CUST 0.0 \$/CUST/YR

^{*} 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 Rebates

^{*} Program Generation Equivalency Factor: 1.00

(1)		(2) CUMULATIVE	(3) ADJUSTED	(4)	(5)	(6)	(7)	(8)	(9)	
		TOTAL	CUMULATIVE	UTILITY AVERAGE	AVOIDED	INCREASED	REPLACEMENT	PROGRAM KW	PROGRAM KWH	
		PARTICIPATING	PARTICIPATING	SYSTEM FUEL	MARGINAL FUEL	MARGINAL FUEL	FUEL COST	EFFECTIVENESS	EFFECTIVENESS	
YEAR		CUSTOMERS	CUSTOMERS	COSTS (C/KWH)	COST (C/KWH)	COST (C/KWH)	(C/KWH)	FACTOR	FACTOR	
	2025	35	35	3.61	3.41	3.61	3.61		1	1
	2026	69	69	4.20	3.87	4.20	4.20		1	1
	2027	101	101	4.59	4.37	4.59	4.68		1	1
	2028	133	133	4.90	4.71	4.90	5.00		1	1
	2029	164	164	4.68	4.05	4.68	4.81		1	1
	2030	194	194	4.52	3.63	4.52	4.61		1	1
	2031	223	223	4.35	3.51	4.35	4.46		1	1
	2032	252	252	4.32	3.62	4.32	4.43		1	1
	2033	280	280	4.21	3.64	4.21	4.33		1	1
	2034	308	308	4.17	3.77	4.17	4.22		1	1

^{*} Avoided Generation Unit: 100 MW 4-Hr Battery Energy Storage System (2027 In-Service Date)

INPUTS FOR OT	HER COSTS & BEI	NEFITS - EXTERNALLY	Y CALC., FORMS 2.3, 2	2.4, & 2.5		
	(1)	(2)	(3)	(4)	(5)	(6)
	< FORM 2.3>		< FORM 2.4>		< FORM 2.5>	
	Total Resource Te	est	Participants Test		Rate Impact Test	
	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$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

CALCUL	LATION OF AFL	JDC AND II	N-SERVICE COST O	F PLANT									
PLANT:	100 MW 4-Hr E	Battery Ene	rgy Storage System	(2027 On-Line Date)									
(1)	(2)		(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10) INCREMENTAL	(11) CUMULA	TIVE
	NO. Y	EARS	PLANT	CUMULATIVE		ANNUAL	CUMULATIVE	E	CUMULATIVE		YEAR-END	YEAR-ENI	D
	BEFOR	RE IN-	ESCALATION RATE	ESCALATION	YEARLY	SPENDING	AVERAGE		SPENDING WITH	YEARLY TOTAL	BOOK VALUE	BOOK VAI	LUE
YEAR	SERVI	CE	(%)	FACTOR	EXPENDITURE (%)	(\$/KW)	SPENDING (\$	\$/KW)	AFUDC (\$/KW)	AFUDC (\$/KW)	(\$/KW)	(\$/KW)	
	2025	2	()	0 N/A	N/A	N/A		N/A	N/A	N/A	N/A	
	2026	1	()	0 N/A	N/A	N/A		N/A	N/A	N/A	N/A	
	2027	0	(0	0 N/A	8	83	883	883	3 N/A	883	3	883
	2028												
	2029												
	2030												
		e: OUC's A	voided Unit is a 100	MW, 4-Hr Battery Ene	ergy Storage System w			-	cost of the Avoided Uni	it is shown in 2027 d	lollars, inclusive of	interest du	ring
	2032					construction	n and escalation	١.					
	2033												
	2034												
IN-SERV	/ICE YEAR =		202	7									

PLANT COSTS (2025 \$)

AFUDC RATE

\$84,871,203

N/A - See Note above

MMOIDED	OFFICE	LINIT RENEFITS
	(SEMERATION)	TIMIL REMEELS

PROGRAM:	Commercial/Ir	ndustrial P	rescriptive R	ebates							
* UNIT SIZE O	F AVOIDED GENI	ERATION L	JNIT =	100,000 kW							
* INSERVICE	COSTS OF AVOID	DED GEN. U	JNIT (000) =	883	3 \$/kW						
(1)	(1A)*	(2)		(2A)	(3)	(4)	(;	5)	(6)	(6A)	(7)
	VALUE OF	AVOID	ED GEN			AVOIDED GEN				AVOIDED	
	DEFERRAL	UNIT C	APACITY	AVOIDED ANNUAL	AVOIDED UNIT	UNIT VARIABLE	Α	AVOIDED GEN	REPLACEMENT FUEL	PURCHASED	AVOIDED GEN
	FACTOR	COST		UNIT KWH GEN	FIXED O&M COST	O&M COST	U	JNIT FUEL COST	COST	CAPACITY COSTS	UNIT BENEFITS
Year		(\$000)		(000)	(\$000)	(\$000)	(5	\$000)	(\$000)	(\$000)	(\$000)
202	5	0	0	(0	(0	0	0	(89
202	6	0	0	(0	(0	0	0	(92
202	7	0	8,457	146,00	2,962	!	0	6,701	6,829	(94
202	8	0	8,270	146,00	3,021		0	7,161	7,299	(96
202	9	0	8,083	146,00	3,082	!	0	6,838	7,029	(97
203	0	0	7,896	146,00	3,143	(0	6,598	6,728	(98
203	1	0	7,709	146,00	3,206	i (0	6,352	6,517	(98
203	2	0	7,522	146,00	3,270	(0	6,304	6,475	(98
203	3	0	7,336	146,00	3,336	i (0	6,140	6,327	(98
203	4	0	7,149	146,00	3,402	!	0	6,089	6,158	(98
NOMINAL		0	62,422	1,168,00	25,423		0	52,182	53,362	C	958
NPV			45,283		18,185	(0	37,810	38,663	(734

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D AND PROGRAM FUEL BENE

NOMINAL

NPV

PROGRAM:	Commercial/Indu	ustrial Prescriptive	Rebates							
* INSERVICE C	OSTS OF AVOIDED	O TRANS. (000) =	;	\$0						
* INSERVICE C	OSTS OF AVOIDED	D DIST. (000) =	:	\$0						
(1)	(2)	(3)	(4)		(5)		(6)	(7)	(8)	
	AVOIDED	AVOIDED	TOTAL AVOIDED		AVOIDED		AVOIDED	TOTAL AVOIDED		
	TRANSMISSION	TRANSMISSION	TRANSMISSION		DISTRIBUTION		DISTRIBUTION	DISTRIBUTION	PROGRAM FUEL	-
	CAPACITY COST	O&M COST	COST		CAPACITY COST		O&M COST	COST	SAVINGS	
Year	(\$000)	(\$000)	(\$000)		(\$000)		(\$000)	(\$000)	(\$000)	
2025	0		0	0		0		0	0	205
2026	0		0	0		0		0	0	217
2027	0		0	0		0		0	0	226
2028	0		0	0		0		0	0	234
2029	0		0	0		0		0	0	240
2030	0		0	0		0		0	0	245
2031	0		0	0		0		0	0	249
2032	0		0	0		0		0	0	251

2,372

1,805

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET	: DSM PROGRAM	FUEL SAVINGS				
PROGRAM:	Commercial/Ind	ustrial Prescriptive R	ebates			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	REDUCTION IN					
	KWH	AVOIDED		INCREASED		
	GENERATION	MARGINAL FUEL	INCREASE IN KWH	MARGINAL FUEL		EFFECTIVE
	NET NEW CUST	COST - REDUCED	GENERATION NET	COST - INCREASE	NET AVOIDED	PROGRAM FUEL
	KWH	KWH	NEW CUST KWH	KWH	FUEL SAVINGS	SAVINGS
YEAR	(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)
2025	661	. 205	()	0 205	205
2026	698	3 217	()	0 217	7 217
2027	725	226	()	0 226	3 226
2028	748	234)	0 234	1 234
2029	768	240	()	0 240	240
2030	782	245	()	0 245	245
2031	792	249	()	0 249	249
2032	799	251	()	0 251	L 251
2033	802	252	()	0 252	2 252
2034	802	253	()	0 253	3 253
NOMINAL	7,577	2,372)	0 2,372	2,372
NPV		1,805	()	0 1,805	1,805

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(:
	<		UTILITY PROG	RAM COSTS & REBATES	`````	>	<	PARTICIP	ATING CUSTOMER	COSTS & BENEF	- - - - -						
																	E
						TOTAL					RED. REV	RED. REV.	EFFECT	REV. INC. IN	INC. RE	V INC. RE	:V. F
	UTIL NOI	NREC. UTIL RECUR	TOTAL UTIL F	PGM UTIL NONREC	. UTIL RECUR.	REBATE/INCENT	. PARTIC. CUST	PARTIC. CUST O	&M TOTAL PARTIC.	REDUCT. IN	FUEL	NONFUEL	REDUCT	. IN CUST.	FUEL	NONFU	IEL I
	COSTS	COSTS	COSTS	REBATES	REBATES	COSTS	EQUIP COSTS	COSTS	CUST COSTS	CUST. KWH	PORTION	PORTION	BILL	KWH	PORTIO	N PORTIO)N E
YEAR	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)	(000)	\$(000)	\$(000)	\$
	2025	174	0	174	140	0 1	40	261	0 26	63	37 47	79	203	682	0	0	0
	2026	176	0	176	140	0 1	40	275	0 27	75 67	⁷ 2 50)7	215	722	0	0	0
	2027	177	0	177	140	0 1	40	285	0 28	35 69	98 52	27	224	751	0	0	0
	2028	179	0	179	140	0 1	40	293	0 29	93 72	20 54	15	231	776	0	0	0
	2029	180	0	180	140	0 1	40	299	0 29	99 73	39 55	59	237	796	0	0	0
	2030	181	0	181	140	0 1	40	304	0 30)4 75	53 56	9	242	811	0	0	0
	2031	181	0	181	140	0 1	40	307	0 30)7 76	57	77	245	822	0	0	0
	2032	181	0	181	140	0 1	40	308	0 30)8 76	69 58	32	247	829	0	0	0
	2033	181	0	181	140	0 1	40	309	0 30)9 77	⁷ 2 58	35	248	833	0	0	0
	2034	181	0	181	140	0 1	40	309	0 30)9 77	⁷ 2 58	36	249	834	0	0	0
NOMINAI	L	1,792	0	1,792 1	,402	0 1,4	02	2,949	0 2,94	19 7,29	93 5,51	15 2	,341	7,857	0	0	0
NPV		1,376	0	1,376	,080	0 1,0	80	2,250	0 2,25	50	4,20)1 1	,783	5,984		0	0

TOTAL RESOL	JRCE COST TEST														
PROGRAM:	Commercial/In	dustrial Prescriptiv	/e Rebates												
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)	(10)		(11)	(12)	(13)	
														Cumulati	ive
	Increased	Utility Program	Participar	nt Program			Avoided Gen Unit	Avoided T&D	Pro	gram Fuel				Discount	ed Net
	Supply Costs	Costs	Costs	Other Costs	Total	Costs	Benefits	Benefits	Sa	rings Other Ben	efits	Total Benefits	Net Benefit	s Benefits	
Year	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(0	(000) \$(000)		\$(000)	\$(000)	\$(000)	
202	5	0 :	34	261	0	295	89		0	205	0	294	(1)	(1)
202	6	0 :	36	275	0	311	92		0	217	0	309	(2)	(2)
202	7	0 :	37	285	0	322	94		0	226	0	320	(2)	(2)
202	8 (0 :	38	293	0	331	96		0	234	0	329	(2)	(2)
2029	9 (0 :	39	299	0	339	97		0	240	0	337	(2)	(1)
203	0	0 -	40	304	0	344	98		0	245	0	343	(1)	(1)
203	1 (0 -	41	307	0	347	98		0	249	0	347	(1)	(1)
203	2 (0 -	41	308	0	349	98		0	251	0	349	(0)	(0)
203	3 (0 -	41	309	0	350	98		0	252	0	351)	0
2034	4	0 -	41	309	0	350	98		0	253	0	351		1	1
NOMINAL		0 3	89	2,949	0	3,338	958		0	2,372	0	3,330	(9)	
NPV		0 29	97	2,250	0	2,547	734		0	1,805	0	2,539	(3)	
Discount Rate	6	%													

PARTICIPANT	COST TEST													
PROGRAM:	Commerci	al/Industrial Prescrip	tive Reba	tes										
(1)	(2)	(3)	(4)		(5)	(6)		(7)	(8)	(9)	(10))	(11)	(12)
														Cumulative
	Savings in							Customer	Customer O&M					Discounted
	Participan	ts Bills Tax Credits	Uti	lity Rebates	Other Benefits	Total Ben	nefits	Equipment Costs	Costs	Other Costs	Tota	al Costs	Net Benefits	Net Benefits
Year	\$(000)	\$(000)	\$(0	000)	\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(0	00)	\$(000)	\$(000)
202	5	682	0	140	C)	822	261		0	0	261	562	562
202	6	722	0	140	C)	862	275		0	0	275	587	552
202	7	751	0	140	C)	891	285		0	0	285	606	536
202	8	776	0	140	()	916	293		0	0	293	623	518
202	9	796	0	140	()	936	299		0	0	299	637	498
203	0	811	0	140	()	951	304		0	0	304	648	476
203	1	822	0	140	()	962	307		0	0	307	655	453
203	2	829	0	140	()	969	308		0	0	308	661	430
203	3	833	0	140	C)	973	309		0	0	309	664	406
203	4	834	0	140	C)	975	309		0	0	309	666	383
Nominal		7,857	0	1,402	(9,259	2,949		0	0	2,949	6,310	
NPV		5,984	0	1,080	()	7,063	2,250		0	0	2,250	4,813	1
Discount Rate	Э	6%												
Benefit/Cost		3.14												

RATE IMPACT	TEST															
PROGRAM:	Commercial/In	dustrial Prescrip	otive Rebates													
(1)	(2)	(3)	(4)	(5	5)	(6)	(7)		(8)	(9)	(1	0)	(11)	(12)	(13)	(14)
																Cumulative
	Increased	Utility Progra	m						Avoided Gen Unit &	Avoided T&D				Total		Discounted
	Supply Costs	Costs	Incentives	R	Revenue Losses	Other Costs	Total Costs		Fuel Benefits	Benefits	Re	evenue Gains	Other Benefit	s Benefits	Net Benefits	Net Benefits
Year	\$(000)	\$(000)	\$(000)	\$	8(000)	\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
202	5)	34	140	682		0	856	294		0	0	(0 29	1 (562	2) (562)
2020	6	0	36	140	722		0	898	309)	0	0	(0 309) (589) (553)
202	7	0	37	140	751		0	928	320	1	0	0	(0 32	(608	3) (538)
2028	8	0	38	140	776		0	955	329)	0	0	(0 329	(625	5) (520)
2029	9	ס	39	140	796		0	976	337	,	0	0		0 33	7 (639	(499)
2030	0	ס	40	140	811		0	992	343	1	0	0	(0 34	3 (649) (477)
203:	1	0	41	140	822		0 :	1,003	347	,	0	0	(0 34	7 (656	6) (454)
203	2	0	41	140	829		0 :	1,010	349	1	0	0	(0 34	(661	.) (430)
203	3	ס	41	140	833		0 :	1,015	351		0	0	(0 35	L (664	(406)
2034	4	0	41	140	834		0 :	1,016	351		0	0	(0 35	L (665	5) (382)
Nominal)	389	1,402	7,857		0 9	9,648	3,330			0		0 3,33) (6,319	9)
NPV	()	297	1,080	5,984		0	7,360	2,539	1		0	(0 2,539	(4,821	.)
Discount Rate	6	%														

0.35

Benefit/Cost

INP	1888	DΔ	ΓΔ	. ΡΔ	RT

I. PROGRAM DEMAND SAVINGS AND LINE LOSSES IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS (1) BASE YEAR (1) CUSTOMER KW REDUCTION AT THE METER 11.82 KW/CUST 2025 (2) GENERATOR KW REDUCTION PER CUSTOMER 12.28 KW GEN/CUST (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT 2027 (3) KW LINE LOSS PERCENTAGE (3) IN-SERVICE YEAR FOR AVOIDED T & D 3.9 % 2027 (4) GENERATION KWH REDUCTION PER CUSTOMER 95,905 KWH/CUST/YR (4) BASE YEAR AVOIDED GENERATING UNIT COST 849 \$/KW (5) KWH LINE LOSS PERCENTAGE 3.9 % (5) BASE YEAR AVOIDED TRANSMISSION COST 0 \$/KW (6) BASE YEAR DISTRIBUTION COST (6) GROUP LINE LOSS MULTIPLIER 1.0 0 \$/KW (7) CUSTOMER KWH PROGRAM INCREASE AT METER 0.0 KWH/CUST/YR (7) GEN, TRAN, & DIST COST ESCALATION RATE 2 % 92,305 KWH/CUST/YR (8)* CUSTOMER KWH REDUCTION AT METER (8) BASE YEAR GENERATOR FIXED O & M COST 28 \$/KW/YR (9) GENERATOR FIXED O&M ESCALATION RATE 2.0 % (10) BASE YEAR TRANSMISSION FIXED O & M COST II. ECONOMIC LIFE AND K FACTORS 0 \$/KW/YR (1) STUDY PERIOD FOR CONSERVATION PROGRAM 10 YEARS (11) BASE YEAR DISTRIBUTION FIXED O & M COST 0 \$/KW/YR (2) GENERATOR ECONOMIC LIFE 30 YEARS (12) T&D FIXED O&M ESCALATION RATE 2 % (3) T & D ECONOMIC LIFE 30 YEARS (13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS 0 CENTS/KWH

III. UTILITY ANI

PROGRAM: Commercial/Industrial Lighting Rebates

` '		` '
(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST
		(17) AVOIDED GEN UNIT FUEL ESCALATION RATE
ND CUSTOMER COSTS (2025 BASE YEAR)		(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW
(1)** UTILITY NONRECURRING COST PER CUSTOMER	5,044 \$/CUST	(19)* CAPACITY COST ESCALATION RATE
(2)** UTILITY RECURRING COST PER CUSTOMER	0.0 \$/CUST/YR	
(3) UTILITY COST ESCALATION RATE	2.0 %	V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)
(4) CUSTOMER EQUIPMENT COST	37,500 \$/CUST	(1) NON-FUEL COST IN CUSTOMER BILL
(5) CUSTOMER EQUIPMENT ESCALATION RATE	2.0 %	(2) NON-FUEL ESCALATION RATE
(6) CUSTOMER O & M COST	0.0 \$/CUST/YR	(3) CUSTOMER DEMAND CHARGE PER KW
(7) CUSTOMER O & M ESCALATION RATE	2.0 %	(4) DEMAND CHARGE ESCALATION RATE
(8)* CUSTOMER TAX CREDIT PER INSTALLATION	0 \$/CUST	(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT
(9)* CUSTOMER TAX CREDIT ESCALATION RATE	2.0 %	FACTOR FOR CUSTOMER BILL
(10)* INCREASED SUPPLY COSTS	0.0 \$/CUST/YR	
(11)* SUPPLY COSTS ESCALATION RATE	2.0 %	
(12)* UTILITY DISCOUNT RATE	6.35 %	
(13)* UTILITY AFUDC RATE	6.35 %	
(14)* UTILITY NON RECURRING REBATE/INCENTIVE	7,398 \$/CUST	
(15)* UTILITY RECURRING REBATE/INCENTIVE	0.0 \$/CUST/YR	
(16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0 %	

1.63

0

(14) GENERATOR VARIABLE O&M COST ESCALATION RATE

(15) GENERATOR CAPACITY FACTOR

OT AND DEMAND CHANGES (2023 BASE TEAN)		
(1) NON-FUEL COST IN CUSTOMER BILL	10.29	CENTS/KWH
(2) NON-FUEL ESCALATION RATE	2.0	%
(3) CUSTOMER DEMAND CHARGE PER KW	0.0	\$/KW/MO
(4) DEMAND CHARGE ESCALATION RATE	2.0	%
(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT		
FACTOR FOR CUSTOMER BILL	1.0	

2.0 %

16.7 %

2.0 %

2.0 %

0 CENTS/KWH

0 \$/KW/YR

(4) K FACTOR FOR GENERATION

(5) K FACTOR FOR T & D

GY AND DEMAND CHARGES (2025 BASE YEAR)

^{*} 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 Lighting Rebates

^{*} Program Generation Equivalency Factor: 1.00

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
		CUMULATIVE	ADJUSTED							
		TOTAL	CUMULATIVE	UTILITY AVERAGE	AVOIDED	INCREASED	REPLACEMENT	PROGRAM KW	PROGRAM KWH	
		PARTICIPATING	PARTICIPATING	SYSTEM FUEL	MARGINAL FUEL	MARGINAL FUEL	FUEL COST	EFFECTIVENESS	EFFECTIVENESS	
YEAR		CUSTOMERS	CUSTOMERS	COSTS (C/KWH)	COST (C/KWH)	COST (C/KWH)	(C/KWH)	FACTOR	FACTOR	
	2025	CUSTOMERS CUSTOMERS 17		3.61	3.41	3.61	3.61		1	1
	2026	34	34	4.20	3.87	4.20	4.20	1	1	1
	2027	51	. 51	4.59	4.37	4.59	4.68		1	1
	2028	68	68	4.90	4.71	4.90	5.00	1	1	1
	2029	86	86	4.68	4.05	4.68	4.81		1	1
	2030	104	104	4.52	3.63	4.52	4.61		1	1
	2031	121	. 121	4.35	3.51	4.35	4.46	i	1	1
	2032	138	138	4.32	3.62	4.32	4.43		1	1
	2033	155	155	4.21	3.64	4.21	4.33		1	1
	2034	172	172	4.17	3.77	4.17	4.22		1	1

^{*} Avoided Generation Unit: 100 MW 4-Hr Battery Energy Storage System (2027 In-Service Date)

INPUTS FOR OT	HER COSTS & BEI	NEFITS - EXTERNALLY	Y CALC., FORMS 2.3, 2	2.4, & 2.5		
	(1)	(2)	(3)	(4)	(5)	(6)
	< FORM 2.3>		< FORM 2.4>		< FORM 2.5>	
	Total Resource Te	est	Participants Test		Rate Impact Test	
	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$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

		/ Energy Storage Syster									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) INCREMENTAL	(11) CUMULATI\	VE
	NO. YEARS	PLANT	CUMULATIVE		ANNUAL	CUMULATIVE	CUMULATIVE		YEAR-END	YEAR-END	
	BEFORE IN-	ESCALATION RAT	E ESCALATION	YEARLY	SPENDING	AVERAGE	SPENDING WITH	YEARLY TOTAL	BOOK VALUE	BOOK VALU	JE
/EAR	SERVICE	(%)	FACTOR	EXPENDITURE (%)	(\$/KW)	SPENDING (\$/KW)	AFUDC (\$/KW)	AFUDC (\$/KW)	(\$/KW)	(\$/KW)	
	2025	2	0	0 N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	2026	1 0.)2	0.02 N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	2027	0 0.)2	0.0404 N/A	88	33 883	883	3 N/A	883	3	883
	2028										
	2029										
	2029 2030										
	2030	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v	with On-line Date	of 2027. The capital	cost of the Avoided Ur	nit is shown in 2027 (dollars, inclusive of	interest durir	ng
	2030	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		of 2027. The capital and escalation.	cost of the Avoided Ur	nit is shown in 2027 (dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU0 2032	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
IN-SERVI	2030 2031 Note: OU0 2032 2033	C's Avoided Unit is a 10		ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU0 2032 2033 2034		27	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng

MMOIDED	OFFICE	LINIT RENEFITS
	(SEMERATION)	TIMIL REMEELS

PROGRAM	1: Commerci	al/Industria	al Lighting Rebat	es							
* UNIT SIZ	E OF AVOIDED O	SENERATIO	N UNIT =	100,000 kW							
* INSERVI	CE COSTS OF AV	/OIDED GE	N. UNIT (000) =	883	\$/kW						
(1)	(1A)* VALUE OF	(2) AVC	DIDED GEN	(2A)	(3)	(4) AVOIDED GEN	(5)		(6)	(6A) AVOIDED	(7)
	DEFERRAL	. UNI	T CAPACITY	AVOIDED ANNUAL	AVOIDED UNIT	UNIT VARIABLE	AVOID	ED GEN	REPLACEMENT FUEL	PURCHASED	AVOIDED GEN
	FACTOR	COS	ST	UNIT KWH GEN	FIXED O&M COST	O&M COST	UNIT F	UEL COST	COST	CAPACITY COSTS	UNIT BENEFITS
Year		(\$00	00)	(000)	(\$000)	(\$000)	(\$000)		(\$000)	(\$000)	(\$000)
	2025	0	0	0	0	(0	0	0	(182
:	2026	0	0	0	0	(0	0	0	() 196
:	2027	0	8,457	146,000	2,962	(0	6,701	6,829	(207
:	2028	0	8,270	146,000	3,021	(0	7,161	7,299	() 216
:	2029	0	8,083	146,000	3,082	(0	6,838	7,029	() 224
:	2030	0	7,896	146,000	3,143	(0	6,598	6,728	(230
:	2031	0	7,709	146,000	3,206	(0	6,352	6,517	() 234
:	2032	0	7,522	146,000	3,270	(0	6,304	6,475	() 237
:	2033	0	7,336	146,000	3,336	(0	6,140	6,327	() 239
:	2034	0	7,149	146,000	3,402	(0	6,089	6,158	() 239
NOMINAL		0	62,422	1,168,000	25,423		0	52,182	53,362	(2,205

18,185

37,810

0

38,663

0

1,673

NPV

45,283

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T &	D AND PRO	GRAM FUE	L BENEFITS
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PROGRAM:	Commercial/Ind	ustrial Lighting Reb	ates								
* INSERVICE	COSTS OF AVOIDE	D TRANS. (000) =		\$0							
* INSERVICE	COSTS OF AVOIDE	D DIST. (000) =		\$0							
(1)	(2)	(3)	(4)		(5)		(6)	(7)	(8)		
	AVOIDED	AVOIDED	TOTAL AVOIDED		AVOIDED		AVOIDED	TOTAL AVOIDED			
	TRANSMISSION	TRANSMISSION	TRANSMISSION		DISTRIBUTION		DISTRIBUTION	DISTRIBUTION	PROC	RAM FUEL	
	CAPACITY COST	O&M COST	COST		CAPACITY COST		O&M COST	COST	SAVII	NGS	
Year	(\$000)	(\$000)	(\$000)		(\$000)		(\$000)	(\$000)	(\$000	0)	
202	5 ()	0	0		0		0	0		516
202	6 ()	0	0		0		0	0		558
202	7 ()	0	0		0		0	0		591
202	8 ()	0	0		0		0	0		618
202	9 ()	0	0		0		0	0		641
203	0 0)	0	0		0		0	0		658
203	1 ()	0	0		0		0	0		671
203	2 ()	0	0		0		0	0		680
203	3 ()	0	0		0		0	0		686
203	4 0)	0	0		0		0	0		688

6,308

4,783

NOMINAL

NPV

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEE	T : DSM PROGRAM	FUEL SAVINGS				
PROGRAM:	Commercial/Ind	ustrial Lighting Reba	tes			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	REDUCTION IN					
	KWH	AVOIDED		INCREASED		
	GENERATION	MARGINAL FUEL	INCREASE IN KWH	MARGINAL FUEL		EFFECTIVE
	NET NEW CUST	COST - REDUCED	GENERATION NET	COST - INCREASE	NET AVOIDED	PROGRAM FUEL
	KWH	KWH	NEW CUST KWH	KWH	FUEL SAVINGS	SAVINGS
YEAR	(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)
202	5 1,630	516	(0	0 516	5 516
2026	6 1,764	558	}	0	0 558	558
202	7 1,866	591	. (0	0 591	L 591
2028	8 1,954	618	(0	0 618	618
2029	9 2,027	641		0	0 641	L 641
2030	0 2,082	658	(0	0 658	658
203:	1 2,123	671	. (0	0 671	L 671
2032	2 2,151	. 680)	0	0 680	680
2033	3 2,168	686	;	0	0 686	686
2034	4 2,173	688	(0	0 688	688
NOMINAL	19,938	6,308		0	0 6,308	6,308
NPV		4,783	}	0	0 4,783	3 4,783

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

PROGRAM			dustrial Lighting R			(=)	(0)	(-)	(6)	(0)	(40)	(4.4)	(40)	(4.0)		(4.4)	(45)	(40)	(4 =)	(40)
(1)	(2)		(3)	(4)		(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)			(15)	(16)	(17)	(18)
		<		UTILITY PROGF	RAM CO	STS & REBATES		>	<	PA	ARTICIPATING CUSTOMI	ER COSTS & E	ENEFITS							>
																				EFFE
								TOTAL					RED	REV RED	. REV.	EFFECT REV.	INC. IN	INC. REV	INC. REV	. REVE
	UTIL	NONREC.	UTIL RECUR	TOTAL UTIL P	GM	UTIL NONREC.	UTIL RECUR.	REBATE/INCE	IT. PARTIC. CUST	PARTIC. C	CUST O&M TOTAL PART	C. REDUCT	.IN FUE	NON	IFUEL	REDUCT. IN	CUST.	FUEL	NONFUE	L INC.
	COS	STS	COSTS	COSTS		REBATES	REBATES	COSTS	EQUIP COSTS	COSTS	CUST COSTS	CUST. K	WH POR	TION POR	TION	BILL	KWH	PORTION	PORTION	√ BILL
YEAR	\$(00	0)	\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	(000)	\$(00	0) \$(00	0)	\$(000)	(000)	\$(000)	\$(000)	\$(000
	2025	21:	2	0	212	12	16	0	126	637	0	637	1,569	1,193	506	1,699		0	0	0
	2026	219	9	0	219	12	16	0	126	685	0	685	1,697	1,289	547	7 1,836		0	0	0
	2027	22	4	0	224	12	.6	0	126	720	0	720	1,796	1,362	578	3 1,941		0	0	0
	2028	22	9	0	229	12	.6	0	126	749	0	749	1,881	1,425	605	5 2,030		0	0	0
	2029	24	1	0	241	13	34	0	134	772	0	772	1,951	1,476	627	7 2,103		0	0	0
	2030	24	4	0	244	13	34	0	134	789	0	789	2,004	1,515	643	3 2,158		0	0	0
	2031	23	7	0	237	12	.6	0	126	801	0	801	2,044	1,544	655	5 2,199		0	0	0
	2032	23	9	0	239	12	.6	0	126	808	0	808	2,070	1,564	664	1 2,228		0	0	0
	2033	24	0	0	240	12	.6	0	126	813	0	813	2,086	1,577	669	2,246		0	0	0
	2034	24	0	0	240	12	.6	0	126	813	0	813	2,091	1,583	672	2,255		0	0	0
NOMINAL		2,32	3	0	2,323	1,27	'5	0 1,	275	7,587	0 7,	587	19,190	14,528	6,167	7 20,695		0	0	0
NPV		1,77	6	0	1,776	98	31	0	981	5,767	0 5.	767		11,018	4,677	7 15,695			0	0

TOTAL RESOL	JRCE COST TEST														
PROGRAM:	Commercial/In	dustrial Lighting Re	bates												
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)		(9)	(10)	(11)	(12)	(13)	
														Cumulat	iive
	Increased	Utility Program	Participant Prog	gram			Avoided Gen Unit	Avoided T&D		Program Fuel				Discoun	ted Net
	Supply Costs	Costs	Costs	Other Costs	Total Cos	sts	Benefits	Benefits		Savings	Other Benefits	Total Benefits	Net Benefit	s Benefits	
Year	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)		\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	
202	5	3 (36	637	0	723	182		0	516	(698	(2	5)	(25)
202	6) 9	93	685	0	778	196		0	558	(755	(2	3)	(22)
202	7) 9	98	720	0	818	207		0	591	(798	(2	0)	(18)
202	8 () 10)3	749	0	852	216		0	618	(835	(1	7)	(14)
202	9 () 10)7	772	0	879	224		0	641	(865	(1	4)	(11)
203	0	0 11	10	789	0	898	230		0	658	(888	(1	0)	(8)
203	1 (0 11	12	801	0	912	234		0	671	(905	(7)	(5)
203	2	0 11	13	808	0	922	237		0	680	(917	(5)	(3)
203	3 (0 11	L4	813	0	927	239		0	686	(925	(2)	(1)
203	4	0 11	14	813	0	928	239		0	688	(928		0	0
NOMINAL	(0 1,04	19 7,	587	0	8,636	2,205		0	6,308	(8,512	(12	3)	
NPV		79	95 5,	767	0	6,562	1,673		0	4,783	(6,455	(10	7)	
Discount Rate	e 6	%													

Benefit/Cost

PARTICIPANT	COST TEST													
PROGRAM:	Commercia	/Industrial Lighting	Rebates											
(1)	(2)	(3)	(4)		(5)	(6)		(7)	(8)	(9)	(10)		(11)	(12)
														Cumulative
	Savings in							Customer	Customer O&M					Discounted
	Participants	Bills Tax Credits	Uti	lity Rebates	Other Benefits	Total Ben	efits	Equipment Costs	Costs	Other Costs	Tota	al Costs	Net Benefits	Net Benefits
Year	\$(000)	\$(000)	\$(0	000)	\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(0	00)	\$(000)	\$(000)
202	5 1,	699	0	126	0		1,825	637		0	0	637	1,187	1,187
202	6 1,	836	0	126	0		1,962	685		0	0	685	1,277	1,201
202	7 1,	941	0	126	0		2,067	720		0	0	720	1,347	1,191
202	8 2,	030	0	126	0		2,156	749		0	0	749	1,407	1,170
202	9 2,	103	0	134	0		2,237	772		0	0	772	1,465	1,145
203	0 2,	158	0	134	0		2,292	789		0	0	789	1,504	1,105
203	1 2,	199	0	126	0		2,325	801		0	0	801	1,524	1,053
203	2 2,	228	0	126	0		2,354	808		0	0	808	1,545	1,004
203	3 2,	246	0	126	0		2,372	813		0	0	813	1,560	953
203	4 2,	255	0	126	0		2,381	813		0	0	813	1,567	901
Nominal	20,	695	0	1,275	0		21,970	7,587		0	0	7,587	14,383	
NPV	15,	695	0	981	0		16,677	5,767		0	0	5,767	10,910	
Discount Rate	Э	6%												
Benefit/Cost		2.89												

RATE IMPACT 1	TEST														
PROGRAM:	Commercial/Inc	dustrial Lighting I	Rebates												
(1)	(2)	(3)	(4)	(5	5)	(6)	(7)		(8)	(9)	(10)	(11)	(12)	(13)	(14)
															Cumulative
	Increased	Utility Program	l						Avoided Gen Unit &	Avoided T&D			Total		Discounted
	Supply Costs	Costs	Incentives	Re	evenue Losses	Other Costs	Total Costs		Fuel Benefits	Benefits	Revenue Gains	S Other Benef	fits Benefits	Net Benefits	Net Benefits
Year	\$(000)	\$(000)	\$(000)	\$((000)	\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2025	5 ()	86	126	1,699	() :	1,910	698	3	0	0	0 69	8 (1,21)	2) (1,212)
2026	6 ()	93	126	1,836	() 2	2,055	755	5	0	0	0 75	5 (1,30	0) (1,223)
2027	7 ()	98	126	1,941	() 2	2,165	798	3	0	0	0 79	8 (1,36)	7) (1,209)
2028	3 ()	103	126	2,030	() 2	2,259	835	5	0	0	0 83	5 (1,42	4) (1,184)
2029) ()	107	134	2,103	() 2	2,343	865	j	0	0	0 86	55 (1,47)	3) (1,156)
2030) ()	110	134	2,158	() 2	2,402	888	3	0	0	0 88	8 (1,51	4) (1,113)
2031	L ()	112	126	2,199	() 2	2,436	905	;	0	0	0 90	5 (1,53	1) (1,058)
2032	2 ()	113	126	2,228	() 2	2,467	917	,	0	0	0 91	7 (1,55	(1,007)
2033	3 ()	114	126	2,246	() 2	2,486	925	j	0	0	0 92	5 (1,56)	2) (954)
2034	1 ()	114	126	2,255	() 2	2,495	928	3	0	0	0 92	(1,56)	7) (900)
Nominal	() 1,	049	1,275	20,695	() 23	3,018	8,512)		0	0 8,51	2 (14,50	6)
NPV	C)	795	981	15,695	(17	7,472	6,455	j		0	0 6,45	5 (11,01	6)
Discount Rate	69	%													

0.37

Benefit/Cost

INIPI	דעח	ΓΔ	ΡΔ	RT

PROGRAM: Commercial/Industrial Custom Incentive Rebates

I. PROGRAM DEMAND SAVINGS AND LINE LOSSES		IV. AVOIDED GENERATOR, TRANS. AND DIST. COSTS	
(1) CUSTOMER KW REDUCTION AT THE METER	5.88 KW/CUST	(1) BASE YEAR	2025
(2) GENERATOR KW REDUCTION PER CUSTOMER	6.11 KW GEN/CUST	(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2027
(3) KW LINE LOSS PERCENTAGE	3.9 %	(3) IN-SERVICE YEAR FOR AVOIDED T & D	2027
(4) GENERATION KWH REDUCTION PER CUSTOMER	29,720 KWH/CUST/YR	(4) BASE YEAR AVOIDED GENERATING UNIT COST	849 \$/KW
(5) KWH LINE LOSS PERCENTAGE	3.9 %	(5) BASE YEAR AVOIDED TRANSMISSION COST	0 \$/KW
(6) GROUP LINE LOSS MULTIPLIER	1.0	(6) BASE YEAR DISTRIBUTION COST	0 \$/KW
(7) CUSTOMER KWH PROGRAM INCREASE AT METER	0.0 KWH/CUST/YR	(7) GEN, TRAN, & DIST COST ESCALATION RATE	2 %
(8)* CUSTOMER KWH REDUCTION AT METER	28,605 KWH/CUST/YR	(8) BASE YEAR GENERATOR FIXED O & M COST	28 \$/KW/YR
		(9) GENERATOR FIXED O&M ESCALATION RATE	2.0 %
II. ECONOMIC LIFE AND K FACTORS		(10) BASE YEAR TRANSMISSION FIXED O & M COST	0 \$/KW/YR
(1) STUDY PERIOD FOR CONSERVATION PROGRAM	10 YEARS	(11) BASE YEAR DISTRIBUTION FIXED O & M COST	0 \$/KW/YR
(2) GENERATOR ECONOMIC LIFE	30 YEARS	(12) T&D FIXED O&M ESCALATION RATE	2 %
(3) T & D ECONOMIC LIFE	30 YEARS	(13) BASE YEAR AVOIDED GEN UNIT VARIABLE O & M COSTS	0 CENTS/KWH
(4) K FACTOR FOR GENERATION	1.63	(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.0 %
(5) K FACTOR FOR T & D	0	(15) GENERATOR CAPACITY FACTOR	16.7 %
(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0	(16) BASE YEAR AVOIDED GENERATING UNIT FUEL COST	0 CENTS/KWH
		(17) AVOIDED GEN UNIT FUEL ESCALATION RATE	2.0 %
III. UTILITY AND CUSTOMER COSTS (2025 BASE YEAR)		(18)* BASE YEAR AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
(1)** UTILITY NONRECURRING COST PER CUSTOMER	1,358 \$/CUST	(19)* CAPACITY COST ESCALATION RATE	2.0 %
(2)** UTILITY RECURRING COST PER CUSTOMER	0.0 \$/CUST/YR		
(3) UTILITY COST ESCALATION RATE	2.0 %	V. NON-FUEL ENERGY AND DEMAND CHARGES (2025 BASE YEAR)	
(4) CUSTOMER EQUIPMENT COST	11,313 \$/CUST	(1) NON-FUEL COST IN CUSTOMER BILL	10.29 CENTS/KWH
(5) CUSTOMER EQUIPMENT ESCALATION RATE	2.0 %	(2) NON-FUEL ESCALATION RATE	2.0 %
(6) CUSTOMER O & M COST	0.0 \$/CUST/YR	(3) CUSTOMER DEMAND CHARGE PER KW	0.0 \$/KW/MO
(7) CUSTOMER O & M ESCALATION RATE	2.0 %	(4) DEMAND CHARGE ESCALATION RATE	2.0 %
(8)* CUSTOMER TAX CREDIT PER INSTALLATION	0 \$/CUST	(5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT	
(9)* CUSTOMER TAX CREDIT ESCALATION RATE	2.0 %	FACTOR FOR CUSTOMER BILL	1.0
(10)* INCREASED SUPPLY COSTS	0.0 \$/CUST/YR		
(11)* SUPPLY COSTS ESCALATION RATE	2.0 %		
(12)* UTILITY DISCOUNT RATE	6.35 %		
(13)* UTILITY AFUDC RATE	6.35 %		
(14)* UTILITY NON RECURRING REBATE/INCENTIVE	4,148 \$/CUST		
(15)* UTILITY RECURRING REBATE/INCENTIVE	0.0 \$/CUST/YR		
(16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.0 %		

^{*} 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 Custom Incentive Rebates

^{*} Program Generation Equivalency Factor: 1.00

(1)		(2) CUMULATIVE	(3) ADJUSTED	(4)	(5)	(6)	(7)	(8)	(9)	
		TOTAL	CUMULATIVE	UTILITY AVERAGE	AVOIDED	INCREASED	REPLACEMENT	PROGRAM KW	PROGRAM KWH	
		PARTICIPATING	PARTICIPATING	SYSTEM FUEL	MARGINAL FUEL	MARGINAL FUEL	FUEL COST	EFFECTIVENESS	EFFECTIVENESS	
YEAR		CUSTOMERS	CUSTOMERS	COSTS (C/KWH)	COST (C/KWH)	COST (C/KWH)	(C/KWH)	FACTOR	FACTOR	
	2025	35	35	3.61	3.41	3.61	3.61		1	1
	2026	72	72	4.20	3.87	4.20	4.20		1	1
	2027	109	109	4.59	4.37	4.59	4.68		1	1
	2028	147	147	4.90	4.71	4.90	5.00		1	1
	2029	186	186	4.68	4.05	4.68	4.81		1	1
	2030	226	226	4.52	3.63	4.52	4.61		1	1
	2031	266	266	4.35	3.51	4.35	4.46		1	1
	2032	307	307	4.32	3.62	4.32	4.43		1	1
	2033	349	349	4.21	3.64	4.21	4.33		1	1
	2034	392	392	4.17	3.77	4.17	4.22		1	1

^{*} Avoided Generation Unit: 100 MW 4-Hr Battery Energy Storage System (2027 In-Service Date)

INPUTS FOR OT	HER COSTS & BEI	NEFITS - EXTERNALLY	Y CALC., FORMS 2.3, 2	2.4, & 2.5		
	(1)	(2)	(3)	(4)	(5)	(6)
	< FORM 2.3>		< FORM 2.4>		< FORM 2.5>	
	Total Resource Te	est	Participants Test		Rate Impact Test	
	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS	OTHER COSTS	OTHER BENEFITS
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$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

		/ Energy Storage Syster									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10) INCREMENTAL	(11) CUMULATI\	VE
	NO. YEARS	PLANT	CUMULATIVE		ANNUAL	CUMULATIVE	CUMULATIVE		YEAR-END	YEAR-END	
	BEFORE IN-	ESCALATION RAT	E ESCALATION	YEARLY	SPENDING	AVERAGE	SPENDING WITH	YEARLY TOTAL	BOOK VALUE	BOOK VALU	JE
/EAR	SERVICE	(%)	FACTOR	EXPENDITURE (%)	(\$/KW)	SPENDING (\$/KW)	AFUDC (\$/KW)	AFUDC (\$/KW)	(\$/KW)	(\$/KW)	
	2025	2	0	0 N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	2026	1 0.)2	0.02 N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	2027	0 0.)2	0.0404 N/A	88	33 883	883	3 N/A	883	3	883
	2028										
	2029										
	2029 2030										
	2030	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v	with On-line Date	of 2027. The capital	cost of the Avoided Ur	nit is shown in 2027 (dollars, inclusive of	interest durir	ng
	2030	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		of 2027. The capital and escalation.	cost of the Avoided Ur	nit is shown in 2027 (dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU0 2032	C's Avoided Unit is a 10	0 MW, 4-Hr Batte	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
IN-SERVI	2030 2031 Note: OU0 2032 2033	C's Avoided Unit is a 10		ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng
	2030 2031 Note: OU0 2032 2033 2034		27	ery Energy Storage System v		·	cost of the Avoided Ur	nit is shown in 2027 o	dollars, inclusive of	interest durir	ng

MMOIDED	\triangle ENIEDATIONI	UNIT BENEFITS
	CENTERVILLIN	IIMIII BENIEELI S

PROGRAM:	Commercial/Ir	ndustrial Custom Ince	ntive Rebates						
* UNIT SIZE	OF AVOIDED GENE	ERATION UNIT =	100,000 kW	I					
* INSERVICE	COSTS OF AVOID	ED GEN. UNIT (000) =	= \$883	\$/kW					
(1)	(1A)*	(2)	(2A)	(3)	(4)	(5)	(6)	(6A)	(7)
	VALUE OF	AVOIDED GEN			AVOIDED GEN			AVOIDED	
	DEFERRAL	UNIT CAPACITY	AVOIDED ANNUAL	AVOIDED UNIT	UNIT VARIABLE	AVOIDED GEN	REPLACEMENT FUEL	. PURCHASED	AVOIDED GEN
	FACTOR	COST	UNIT KWH GEN	FIXED O&M COST	O&M COST	UNIT FUEL COST	COST	CAPACITY COSTS	UNIT BENEFITS
Year		(\$000)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)

FACTOR	CO21	UNII	KWH GEN	FIXED OWN COST	U&M COST	ONIT FUEL COST	COST	CAPACITY COSTS	UNII BENEFIIS
Year	(\$000)	(000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
2025	0	0	0	0	0	(0	(142
2026	0	0	0	0	0	(0	(163
2027	0	8,457	146,000	2,962	0	6,701	6,829	(184
2028	0	8,270	146,000	3,021	0	7,163	1 7,299	(206
2029	0	8,083	146,000	3,082	0	6,838	7,029	() 227
2030	0	7,896	146,000	3,143	0	6,598	6,728	(247
2031	0	7,709	146,000	3,206	0	6,352	2 6,517	(264
2032	0	7,522	146,000	3,270	0	6,304	4 6,475	(275
2033	0	7,336	146,000	3,336	0	6,140	6,327	(280
2034	0	7,149	146,000	3,402	0	6,089	6,158	(279
NOMINAL	0	62,422	1,168,000	25,423	0	52,182	53,362	(2,266
NPV		45,283		18,185	0	37,810	38,663	C	1,680

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

AVOIDED T & D AND PROGRAM FUEL BENEFITS

PROGRAM:	PROGRAM: Commercial/Industrial Custom incentive Repates					
* INSERVICE C	COSTS OF AVOIDED TRANS. (000) =	\$0				
* INSERVICE C	COSTS OF AVOIDED DIST. (000) =	\$0				

		00100171101021	2 2.01. (000)	`	Ψυ						
(1)		(2)	(3)	(4)		(5)		(6)	(7)	(8)	
		AVOIDED	AVOIDED	TOTAL AVOIDED		AVOIDED		AVOIDED	TOTAL AVOIDED		
		TRANSMISSION	TRANSMISSION	TRANSMISSION		DISTRIBUTION		DISTRIBUTION	DISTRIBUTION	PROGRAM	1 FUEL
		CAPACITY COST	O&M COST	COST		CAPACITY COST		O&M COST	COST	SAVINGS	
Year		(\$000)	(\$000)	(\$000)		(\$000)		(\$000)	(\$000)	(\$000)	
	2025	0		0	0		0		0	0	287
	2026	0		0	0		0		0	0	328
	2027	0		0	0		0		0	0	368
	2028	0		0	0		0		0	0	410
	2029	0		0	0		0		0	0	452
	2030	0		0	0		0		0	0	491
	2031	0		0	0		0		0	0	524
	2032	0		0	0		0		0	0	546
	2033	0		0	0		0		0	0	556
	2034	0	1	0	0		0		0	0	552
NOMINA	۱L	0		0	0		0		0	0	4,514
NPV		0		0	0		0		0	0	3,350

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSHEET	: DSM PROGRAM	FUEL SAVINGS				
PROGRAM:	Commercial/Indi	ustrial Custom Incen	tive Rebates			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	REDUCTION IN					
	KWH	AVOIDED		INCREASED		
	GENERATION	MARGINAL FUEL	INCREASE IN KWH	MARGINAL FUEL		EFFECTIVE
	NET NEW CUST	COST - REDUCED	GENERATION NET	COST - INCREASE	NET AVOIDED	PROGRAM FUEL
	KWH	KWH	NEW CUST KWH	KWH	FUEL SAVINGS	SAVINGS
YEAR	(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000)
2025	1,040	287	(0	0 287	287
2026	1,184	328	(0	0 328	328
2027	7 1,325	368	(0	0 368	368
2028	1,473	410	(0	0 410	410
2029	1,619	452	(0	0 452	2 452
2030	1,755	491	(0	0 491	L 491
2031	1,869	524		0	0 524	524
2032	1,949	546	(0	0 546	5 546
2033	1,986	556	(0	0 556	5 556
2034	1,978	552	(0	0 552	2 552
NOMINAL	16,177	4,514	. (0	0 4,514	4,514
NPV		3,350	(0	0 3,350	3,350

^{*} SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

* WORKSH	IEET: UTILITY C	OSTS, PARTICIPANT C	OSTS, AND REV L	.OSS/GAIN															
PROGRAM	: Commerc	ial/Industrial Custom I	ncentive Rebates																
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	
	<		UTILITY PROG	RAM COSTS & RE	BATES		> <	PARTI	CIPATING CUSTOM	ER COSTS &	BENEFIT	S						>	
																		EFFEC.	ĴΤ.
						TOTAL						RED. REV	RED. REV.	EFFECT RE\	. INC. IN	INC. REV	' INC. RE\	/. REVEN	NUE
	UTIL NON	IREC. UTIL RECUR	TOTAL UTIL	PGM UTIL NO	NREC. UTIL RECUR.	REBATE/IN	ICENT. PARTIC. CUST	PARTIC. CUS	TO&M TOTAL PART	IC. REDUC	CT. IN	FUEL	NONFUEL	REDUCT. IN	CUST.	FUEL	NONFU	EL INC. IN	Ν
	COSTS	COSTS	COSTS	REBATES	S REBATES	COSTS	EQUIP COSTS	COSTS	CUST COSTS	S CUST.	KWH	PORTION	PORTION	BILL	KWH	PORTION	N PORTIO	N BILL	
'EAR	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	(000)		\$(000)	\$(000)	\$(000)	(000)	\$(000)	\$(000)	\$(000))
2	025	193	0	193	145	0	145	396	0	396	1,001	706	6	300 1,0	06	0	0	0	
2	026	219	0	219	165	0	165	446	0	446	1,139	808	5	342 1,1	46	0	0	0	(
2	027	245	0	245	185	0	185	494	0	494	1,275	902	2	383 1,2	85	0	0	0	(
2	028	273	0	273	206	0	206	544	0	544	1,417	1,005	5	427 1,4	32	0	0	0	(
2	029	300	0	300	226	0	226	593	0	593	1,558	1,108	3	470 1,5	78	0	0	0	(
2	030	325	0	325	245	0	245	638	0	638	1,689	1,203	3	511 1,7	14	0	0	0	(
2	031	346	0	346	261	0	261	675	0	675	1,799	1,282	2	544 1,8	27	0	0	0	(
2	032	361	0	361	272	0	272	700	0	700	1,876	1,336	6	567 1,9	04	0	0	0	(
2	033	368	0	368	277	0	277	710	0	710	1,912	1,359	9	577 1,9	36	0	0	0	(
2	034	366	0	366	276	0	276	704	0	704	1,904	1,349)	572 1,9	21	0	0	0	(
IOMINAL		2,997	0	2,997	2,258	0	2,258	5,897	0 5	,897	15,570	11,05	5 4,	693 15,7	48	0	0	0	0
NPV		2,225	0	2,225	1,676	0	1,676	4,395	0 4	,395		8,206	3,	484 11,6	90		0	0	C

TOTAL RESOL	JRCE COST TEST													
PROGRAM:	Commercial/In	dustrial Custom Inc	centive Rebates											
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)	(10)	(11)	(12)	(13)	
													Cumulative	;
	Increased	Utility Program	Participant Progran	ı		Avoided Gen U	nit Avoided T&D		Program Fuel				Discounted	Net
	Supply Costs	Costs	Costs	Other Costs	Total Costs	Benefits	Benefits		Savings	Other Benefits	Total Benefits	Net Benefits	Benefits	
Year	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)		\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	
202	5	0 4	8 396		0 44	3 :	.42	0	287	' (430	(14	.)	(14)
202	6	0 5	4 446		0 50	0 :	.63	0	328	3 () 491	(9))	(8)
202	7	0 6	1 494		0 55	4	.84	0	368	3 (552	(3	3)	(2)
202	8	0 6	7 544		0 61	1 2	.06	0	410) (616	5		4
202	9 (0 7	4 593		0 66	7 2	27	0	452	2 (679	12		10
203	0	0 8	0 638		0 71	8 2	47	0	491	. (738	20		15
203	1	0 8	5 675		0 76	0 2	64	0	524	. (788	27	•	19
203	2	0 8	9 700		0 78	9 2	75	0	546	6 (821	32		21
203	3	9	1 710		0 80	0 2	80	0	556	6 (836	36	;	22
203	4	9	0 704		0 79	4 2	79	0	552	2 (831	37	•	21
NOMINAL	(73	9 5,897		0 6,63	6 2,2	66	0	4,514	ļ (6,781	144		
NPV	(54	9 4,395		0 4,94	4 1,6	80	0	3,350) (5,030	87	•	
Discount Rate	e 6	%												

Benefit/Cost

PARTICIPANT	COST TEST													
PROGRAM:	Commercial/Industrial Custom Incentive Rebates													
(1)	(2)	(3)	(4)		(5)	(6)		(7)	(8)	(9)	(10))	(11)	(12)
														Cumulative
	Savings in							Customer	Customer O&M					Discounted
	Participants	Bills Tax Credits	Uti	lity Rebates	Other Benefits	Total E	Benefits	Equipment Costs	Costs	Other Costs	Tot	al Costs	Net Benefits	Net Benefits
Year	\$(000)	\$(000)	\$(0	000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(0	000)	\$(000)	\$(000)
202	5 1	006	0	145	0)	1,151	396		0	0	396	755	755
2020	6 1	146	0	165	0)	1,311	446		0	0	446	866	814
202	7 1	285	0	185	0)	1,470	494		0	0	494	977	863
202	8 1	432	0	206	0)	1,638	544		0	0	544	1,094	910
2029	9 1	578	0	226	0)	1,804	593		0	0	593	1,211	947
203	0 1	714	0	245	0)	1,958	638		0	0	638	1,321	971
203	1 1,	827	0	261	0)	2,088	675		0	0	675	1,413	976
203	2 1	904	0	272	0)	2,176	700		0	0	700	1,476	959
203	3 1	936	0	277	0)	2,213	710		0	0	710	1,504	919
203	4 1	921	0	276	0)	2,197	704		0	0	704	1,493	858
Nominal	15	748	0	2,258	0)	18,006	5,897		0	0	5,897	12,109	
NPV	11,	690	0	1,676	0)	13,366	4,395		0	0	4,395	8,972	
Discount Rate	е	6%												
Benefit/Cost		3.04												

RATE IMPACT 1	TEST													
PROGRAM:	Commercial/In	dustrial Custom	Incentive Rebate	es										
(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
														Cumulative
	Increased	Utility Progran	n					Avoided Gen Unit &	Avoided T&D			Total		Discounted
	Supply Costs	Costs	Incentives	Rev	enue Losses	Other Costs	Total Costs	Fuel Benefits	Benefits	Revenue Gains	Other Bene	fits Benefits	Net Benefits	Net Benefits
Year	\$(000)	\$(000)	\$(000)	\$(0	00)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2025	5 ()	48	145	1,006	(1,19	3 430)	0	0	0 430	(769) (769)
2026	6 ()	54	165	1,146	(1,36	5 491	L	0	0	0 491	(875) (822)
2027	7 ()	61	185	1,285	(1,53	L 552	2	0	0	0 552	(979) (866)
2028	3 ()	67	206	1,432	(1,70	616	6	0	0	0 616	(1,089) (906)
2029) ()	74	226	1,578	(1,87	679)	0	0	0 679	(1,198) (937)
2030) ()	80	245	1,714	(2,039	738	3	0	0	0 738	(1,300) (956)
2031	L ()	85	261	1,827	(2,17	788	3	0	0	0 788	(1,386) (958)
2032	2 ()	89	272	1,904	(2,26	821	L	0	0	0 821	(1,444) (938)
2033	3 ()	91	277	1,936	(2,30	1 836	6	0	0	0 836	(1,468) (897)
2034	1 ()	90	276	1,921	(2,28	7 831	L	0	0	0 831	(1,457) (837)
Nominal	()	739	2,258	15,748	(18,74	6,781	<u>[</u>		0	0 6,781	(11,964)
NPV	()	549	1,676	11,690	(13,91	5,030)		0	0 5,030	(8,885)
Discount Rate	6	%												

Benefit/Cost