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August 1, 2023

Mr. Andrew S. Johnston
Executive Secretary
Public Service Commission of Maryland
William Donald Schaefer Tower
6 St. Paul Street, 16th Floor
Baltimore, MD 21202-6808

Re: Case No. 9705

Dear Mr. Johnston:

Enclosed please find Potomac Electric Power Company's 2024-2026 EmPOWER Maryland Program Filing in the referenced case.

Please contact me if you have any further questions.

Sincerely,

/s/ *Taylor W. Beckham*

Taylor W. Beckham

Enclosure

cc: All parties of record

BEFORE THE
PUBLIC SERVICE COMMISSION
OF MARYLAND

Potomac Electric Power Company

2024-2026 EmPOWER Maryland Program

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Case No. 9705

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Potomac Electric Power Company’s 2024-2026 EmPOWER Maryland Scenarios

Pursuant to the Maryland Public Service Commission’s (the “Commission”) March 20, 2023 Order on Future EmPOWER Maryland Program Cycles (the “Order”) and Section 7-211 of the Public Utilities Article of the Maryland Annotated Code, Potomac Electric Power Company (“Pepco” or the “Company”) submits its 2024-2026 EmPOWER Maryland Program Filing, which is incorporated and attached hereto. This Program Filing and attachments respond to the Commission’s directives in the Order and provide three scenarios: (1) the “2023 Scenario,” (2) the “Maximum Scenario,” and (3) the “Middle Scenario.” In addition, this Program Filing and attachments provide the Commission with the requested thorough cost-benefit and bill impact analysis for each scenario, information regarding the feedback the Company received at the EmPOWER Utility Planning and Stakeholder Collaboration Meeting, and a proposed performance incentive mechanism (“PIM”).

Overall, the Company has developed a comprehensive suite of programs that not only capture and satisfy the goals of EmPOWER but also respond to the Commission’s directive to

provide additional information for it to consider future greenhouse gas (“GHG”) reduction frameworks. From a programmatic perspective, the Company notes that in its current form, EmPOWER sets conservation goals,¹ and the Company’s proposed 2023 Scenario consists solely of programs that promote energy efficiency. The Maximum and Middle Scenarios include electrification measures, and in the case of the Maximum Scenario, an expansion of the energy efficiency offerings modeled in the 2023 and Middle Scenarios to provide the Commission with information to evaluate the GHG reductions associated with these scenarios.

Due to changes in Behind-The-Meter (“BTM”) and Front-of-Meter (“FTM”) resource eligibility and increasing goal levels, the total program cost of each of the scenarios is notably higher than the 2021-2023 program cycle. The Company’s 2023 Scenario has a total program cost of \$429.7 million, which is an increase of \$134.5 million from the 2021-2023 program cycle and represents a 45% increase in costs for the upcoming cycle. This does not include Pepco’s portion of the Department of Housing and Community Development’s (“DHCD”) budget, which increased 231% from \$21.6 million in the 2021-2023 cycle to \$71.5 million in the 2024-2026 cycle.² The primary factors driving the cost increases include: 1) the loss of the Residential Lighting Program and of general service lamp measures from several other programs due to federal guidelines, 2) the capping of contributions from FTM resources, and 3) the increase in the statutory energy savings goal.

Based on the Commission’s direction to transition to a fully expensed cost recovery model by 2026, for the upcoming 2024-2026 cycle for just the 2023 Scenario, the Company estimates

¹ With the Climate Solutions Now Act of 2022 (“CSNA”), the General Assembly authorized an additional 2024-2026 program cycle that requires increased annual incremental gross energy savings with 2% per year through 2024, 2.25% per year in 2025 and 2026, and 2.5% per year in 2027 and thereafter. Maryland Annotated Code, Section 7-211(g)(2)(i)(1)-(3).

² The bill impacts presented by Pepco do however include the DHCD total budget.

that the EmPOWER surcharge for the average commercial customer will more than double by 2026, while the average residential customer will also see a tripling of the surcharge. These estimated customer impacts for the 2023 Scenario do not include the costs of electrification.

Pepco's Middle and Maximum Scenarios include the Beneficial Electrification Program as proposed in its Multi-Year Plan, with the Middle Scenario program costs being \$492.1 million (an increase of 67%) and the Maximum Scenario program costs being \$898.8 million (an increase of 205%).³ Pepco recommends that cost recovery for the Beneficial Electrification Program be in base rates as proposed by Pepco in Case No. 9702.⁴ The bill impacts over the 2024-2026 cycle are approximately 42% lower for Pepco's residential customers under a base rate recovery approach, which is aligned with the historic cost recovery model, as compared to the alternative of expensing Pepco's proposed electrification programs.

In addition, the Company's performance-based proposal is informed by the results of the Company's projected Benefits Cost Analysis ("BCA"). Pepco's BCA shows that the benefits of the 2023 Scenario are 2.6 times the costs of the 2023 Scenario. Using the net benefits from this calculation, the Company has proposed a "rewards-only" PIM where the energy savings results for the entire cycle must be 95% of the statutory requirement before an award is provided and is based on final verified savings.

I. INTRODUCTION

When the Commission authorized the 2021-2023 program cycle, the Commission also established the Future Programming Work Group ("FPWG"). The FPWG was directed to, among

³ The \$492.1M includes \$54M for Pepco's Beneficial Electrification Program proposed in its Multi-Year Plan and \$8M for the electrification measures included in the Middle and Maximum scenarios that are not proposed in Pepco's Multi-Year Plan.

⁴ Case No. 9702 "Potomac Electric Power Company's Application for a Multi-Year Plan for the Distribution of Electric Energy and other Tariff Revisions" filed on May 16, 2023.

other things, consider “a new goal structure, general energy reduction, customer bill impacts, GHG, promoting electrification, and state climate action plan coordination. Additionally, the Commission directed the FPWG to consider whether the inclusion of Conservation Voltage Reduction (“CVR”) savings was appropriate in the next program cycle and to coordinate with the Cost Recovery Work Group to ensure that PIMs align with recommendations on future goals and cost-effectiveness tests.⁵

Following the FPWG discussions and subsequent report, the Commission issued Order No. 90456 on Cost Recovery and Unamortized Balance Retirement (the “Cost Recovery Order”).⁶ In the Cost Recovery Order the Commission directed the EmPOWER Utilities⁷ to pay down the unamortized balance through the monthly surcharge and move to a one year expense method with 33% of the 2024 program costs being expensed, 67% of the 2025 costs being expensed, and then all program costs being expensed in 2026 and thereafter. Lastly, the Commission ordered that the remaining uncollected balance of the 2024 and 2025 program costs be amortized over five years resulting in the unamortized balance being paid off by 2029.

Also, within the course of the FPWG’s discussions, the stakeholders within the group supported the EmPOWER Utilities’ commissioning a Potential Study to determine the potential for GHG reduction for the EmPOWER Utilities in the state. As a result, Applied Energy Group (“AEG”) coordinated, conducted, and filed a report on the Potential Study with the Commission on January 6, 2023 (the “AEG Potential Study”). The Commission held a hearing to consider goal setting for the EmPOWER program based on the AEG Potential Study results and report, the

⁵ FPWG Report at 2. *See also* Order No. 89679 issued on December 18, 2020 at p. 11-12.

⁶ Order No. 90456, December 29, 2022. The Cost Recovery Order followed an earlier August 16, 2022 Order that directed the utilities to submit various paydown scenarios. *See* Order No. 90306, August 16, 2022.

⁷ Baltimore Gas & Electric (“BGE”), Potomac Edison (“PE”), Sothern Maryland Electric Cooperative (“SMECO”), and Washington Gas & Light (“WGL”), although WGL does not have a statutory goal.

FPWG's report on the Potential Study and Goal Setting, and the Parties' comments regarding goal setting. As a result of that hearing, the Commission issued the Order directing this filing.

The Commission directed the EmPOWER Utilities to prepare and file three separate plans that all achieve the energy reductions required by Section 7-211(g)(2).⁸ For the first plan, called the "2023 Scenario," the Commission based the requirements for this plan on the AEG Potential Study's "Business As Usual" Scenario and is meant to estimate GHG reductions from current conservation and energy efficiency program offerings as well as spending levels that must meet the current statutory conservation requirements.⁹ In addition, the Commission directed that if the 2023 Scenario cannot meet the statutory requirements based on the AEG Potential Study's Business As Usual scenario, then the 2023 Scenario should include costs and programs to meet the statutory requirements at the lowest possible cost.¹⁰

The Commission also directed the Utilities to create a plan for a "Maximum Scenario" based on the Maximum Achievable potential from AEG Potential Study that "would include programs and measures that would bring maximum savings when spending is unconstrained."¹¹ Finally, the Order directed the Utilities to prepare a plan that would be in the middle of the 2023 and Maximum Scenarios referred to as the "Middle Scenario."¹²

Pepco's three scenarios presented in this Program Filing are directly responsive to the legislative directive to achieve electricity savings using a baseline of utility sales in 2016 and the Commission directive to provide information to develop GHG savings targets measured on a lifecycle basis as a CO₂ equivalent.¹³ The 2023 Scenario is modeled to meet the 2024-2026

⁸ The Order at para. 31.

⁹ *Id.*

¹⁰ *Id.*

¹¹ The Order at 32.

¹² *Id.* at 33.

¹³ The Order at p. 30.

legislative energy savings targets, but also takes into account the new changes to the lighting standards and the Commission's cap on FTM utility resources.¹⁴ Across the three scenarios, the energy efficiency programs are consistent, however the Middle and Maximum scenarios include additional budgets and measure offerings. For instance, the Middle Scenario includes the programs from the 2023 Scenario, appliance electrification, and commercial electrification, as well as all the programs within the Beneficial Electrification Program proposed within Case No. 9702, which is Pepco's Multi-Year Plan. In addition, the Maximum Scenario includes all the programs from the Middle Scenario as well as programmatic enhancements to delivery, outreach, and higher incentives to reach maximum forecasts based on the AEG Potential Study.

With this overall Program Filing, Pepco provides costs, bill impacts based on those costs and the Commission directed expense model, and programs that achieve and exceed the statutory targets. As a result, Pepco recommends that the Commission adopt the 2023 Scenario because it achieves ambitious climate action while maintaining customer affordability. More broadly, the Commission could also consider the Middle Scenario as it reflects Pepco's overall recommendation to recover costs related to energy conservation programs through the EmPOWER surcharge and to recover costs related to its Beneficial Electrification Program through base rates. While the 2023 Scenario is 45% more expensive than the current cycle and the bill impacts resulting from the higher costs combined with the Cost Recovery Order are significant, the 2023 Scenario achieves the statutory targets for 2024-2026.

¹⁴ *Id.* at 37.

II. EMPOWER GOALS SHOULD BE ACHIEVABLE AND REFLECT THE NEW LANDSCAPE OF EMPOWER

A. Meeting Existing Statutory Goals is Becoming More Challenging.

The changing landscape of the EmPOWER program in this upcoming cycle creates challenges with meeting the statutory requirements in the 2023 Scenario.¹⁵ Some of these challenges include changing energy codes and baselines and limiting FTM resources that result in eliminating the most affordable energy savings and require higher funding. Furthermore, the historic success of these programs has resulted in market transformation, which although positive, does impact the opportunity to claim savings from more cost-effective measures. Lastly, the progressive nature of the energy savings goal over the 3-year cycle also proves to be a new challenge to ramping up further savings.

The most apparent example of achieving the same levels of energy efficiency being more difficult and more expensive is seen in the lighting standards. For the past five program cycles, EmPOWER programs made significant progress in driving LED general service lamps (“GSLs”) across the residential and commercial sectors. LED lighting savings have accounted for 15-20% of portfolio savings and have been among the most affordable, impactful, and cost-effective savings for both EmPOWER programs and customers. Recent enforcement guidance from the Department of Energy (“DOE”) regarding the Energy Independence and Security Act of 2007 (“EISA”) results in GSLs no longer being able to be incentivized by utility programs in the 2024-2026 EmPOWER cycle. In addition to baseline changes to residential lighting, there are also expected possible changes to HVAC, home appliances, and linear lighting standards over the 2024-

¹⁵ In fact, the Order at p. 32 requires that the 2023 Scenario “include costs and programs such that the statutory requirements would be met at the lowest possible cost” if the 2023 Scenario cannot meet current statutory requirements, which is the case here where even the lowest possible cost is still 45% more than the current cycle budget.

2026 cycle that could also negatively impact EmPOWER savings. While these changes have positive impacts in Maryland and across the country, the lighting changes are a specific example of low-cost measures that need to be replaced in program savings through more expensive and less affordable energy efficiency measures.

In addition, historically, Pepco’s achievement of statutory energy savings goal has come with significant contribution from Conservation Voltage Reduction (“CVR”), a program that the Commission directed the EmPOWER Utilities to implement in 2011 that improves the efficiency of the electric distribution system by optimizing voltage levels within the limits prescribed by the American National Standards Institute standards and Code of Maryland Regulations. Through the Order, the Commission limited the claimable savings from front-of-the-meter programs, like CVR, to no more than 20% of the goal savings.

Figure 1. Savings for the Past and Current EmPOWER Cycles

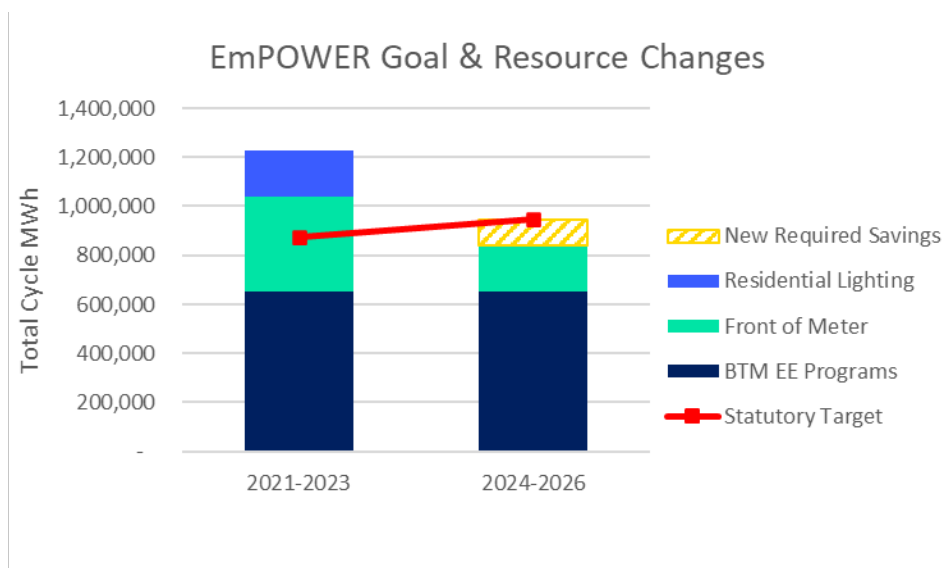


Figure 1 shows that if the Company were to propose the plan that it filed in 2021-2023 for the upcoming 2024-2026 cycle there would be a significant shortfall in reaching the 2024-2026 statutory targets. Behind-The-Meter Energy Efficiency Programs (“BTM EE Programs” in Figure

1) without Residential Lighting would need to achieve an additional 16% savings to reach the 2024-2026 statutory target of 945,531 megawatt hours (“MWh”).

Over the past 15 years of five EmPOWER cycles, some EmPOWER programs have reached a saturation point as far as low-cost options are concerned. In some market segments, where EmPOWER has already supported robust transformation, the Company expects that much of the “low-hanging fruit” opportunity has been serviced and that additional opportunities will become, if not already are, limited within the current decade.¹⁶

B. The Maximum Achievable Scenario is Aspirational but Challenging to Achieve Due to Customer Impacts and Adoption.

The Maximum Scenario, as informed by the AEG Potential Study, is a challenge to achieve because the Maximum Achievable goal target in the AEG Potential Study: 1) assumed measures with much longer measure lives than historic EmPOWER offerings, 2) included overly aggressive adoption rates for new technologies, 3) did not incorporate a ramp up rate for new programs and technologies that support electrification, and 4) even with the Joe Loper adjustments,¹⁷ the Maximum Achievable Scenario was extremely optimized to ensure that the BCA would be exactly 1.0. In addition, this scenario includes unconstrained spending, which is contrary to the considerations that the Commission must evaluate when approving plans in EmPOWER.¹⁸

The AEG Potential Study was one data point used in the planning process. Historic performance of the portfolios provided additional data points around the existing uptake of

¹⁶ An example of this is in the commercial lighting sector, where a lot of the businesses with existing inefficient lamps have been retrofitted and the projects and customers with high savings and low-cost opportunity will become limited.

¹⁷ Additional analysis performed on the results of the AEG Potential Study by Loper Energy LLC resulting in a higher savings potential.

¹⁸ When reviewing and approving EmPOWER Maryland programs, the Commission is required to consider cost effectiveness, rate impacts, impacts on jobs, and impact on the environment. Md. Code, Section 7-211(h)(7) and Section 7-211(i) of the Public Utilities Article.

efficient measures and when comparing the two, there are differences. For instance, the AEG Potential Study found significant opportunity for super-efficient technologies (e.g., SEER 24 air conditioners), but the Company cannot reasonably forecast the same level of adoption as the AEG Potential Study for the upcoming cycle. While the Company does want to promote the adoption of highly efficient equipment, it is important to incentivize a diverse array of efficiencies in equipment to reach a larger portion of the market. Furthermore, while the potential may exist numerically, these measures are significant investments for customers and energy savings may not be a customer's only consideration for adopting the technology.

The Maximum Achievable Scenario in the AEG Potential Study was accomplished by drastically weighting the portfolio to favor longer life measures, especially large Commercial and Industrial ("C&I") equipment. This assumption deviates from the Company's current understanding of the market. There also exist differences between the lifetime value of some measures in the AEG Potential Study compared to the lifetime values stated in the Mid-Atlantic Technical Resource Manual,¹⁹ which is the energy savings reference manual used by EmPOWER utilities to calculate energy savings.

There is also a hurdle to accomplishing the targets in the Maximum Achievable Scenario regarding market reaction. For instance, the C&I sector uses large and complex equipment. The uptake of a project from the planning phase, to equipment selection, delivery, and installation, and finally to its operating phase may take longer than even the three-year cycle, thus the savings or reductions would not be realized in the instant cycle, but the AEG Potential Study still considered that within the scenario as potential. There are additional practical challenges such as supply chain constraints and longer sales cycles, particularly for large C&I equipment.

¹⁹ Mid Atlantic Technical Resource Manual v10. <https://neep.org/sites/default/files/media-files/trmv10.pdf>.

C. Changes in Goal Structure Require Flexibility in Program Implementation to Meet Goals

Any shifts to the EmPOWER goal structure such as moving to a GHG reduction goal, may necessitate changes from all the EmPOWER utilities to support Maryland's climate initiatives. However, for Pepco to partner and to support climate solutions, while also serving the best interests of its customers, program design and flexibility in the goal structure are imperative.

As previously discussed, many factors make the upcoming EmPOWER cycle unique. Programs designed to optimize annual MWh savings may look significantly different than those optimized for lifecycle GHG savings. The current MWh reduction goal may be increasingly difficult to meet with a move toward electrification where there would also be an expected increase in MWh consumption across Pepco's customer base. Pepco recommends that the Evaluation Advisory Group ("EAG") provide guidance to the Commission on the impact of increased electrification on the EmPOWER programs. Building in flexibility will allow utility program administrators to continually adapt and be responsive to the market as the program administrators learn more about the adoption of new GHG abatement technologies and programs.

Flexibility is also necessary regarding plan implementation. Given that even the 2023 Scenario is moving EmPOWER programs beyond what it currently achieves, Pepco's proposed plans will move forward more aggressive and different programs, yet some programs may see more success than others. The programs may necessitate flexibility to adjust incentives, augment or change delivery channels, or shift funding between programs to maximize the impact of the overall portfolio.

III. THE EMPOWER STRUCTURE SHOULD REFLECT THE CUSTOMER COST IMPACT ACROSS ALL SCENARIOS

A. Program Affordability Is Impacted by The Changed Landscape for Program Implementation.

The decrease in eligible program savings combined with the legislative goal level increase results in a budget increase of approximately \$185²⁰ million for Pepco customers. As discussed previously, more than 30% of the savings for Pepco from the previous cycle are no longer eligible for inclusion in the EmPOWER program, contributing to substantially increased program costs even in the 2023 scenario. Put differently, if there was no limitation on FTM resources, the cost of Pepco's 2023 Scenario would decrease by approximately \$68 million. As shown in Table 1, the program costs for the Middle Scenario, which includes the Beneficial Electrification Program filed as part of Pepco's MYP, increase to \$564 million, and the program costs for the Maximum Scenario increase to approximately \$970 million.

Table 1. 2024-2026 Modeled Scenarios Total Program Cost Compared to 2021-2023 Cycle

	Pepco Cycle Program Costs (\$ million)	DHCD Cycle Program Cost (\$ million)	Total Costs (\$ million)	Increase from 2021- 2023 Cycle (\$ million)	% Increase in Program Costs
2021-2023 Program Cycle	295	22	317	-	-
2024-2026 2023 Scenario	430	72	502	185	58%
2024-2026 Middle Scenario	492	72	564	247	78%
2024-2026 Max Scenario	899	72	971	654	206%

²⁰ Includes Pepco's share of the Department of Housing and Community Development's 2024-2026 proposed cycle budget.

The effects of the changing resource eligibility, higher energy savings goals, and the saturation challenge result in the near doubling of cost for each unit of energy savings. The average cost to achieve one MWh of energy savings for Pepco during the 2021-2023 program cycle was \$240. To achieve a *lower* level of savings in the 2023 Scenario,²¹ the cost per unit savings increases to \$451. This effect is amplified even further in the Maximum Scenario, where the cost per megawatt hour of savings increases even further to \$710 to meet the highest goal savings achievable.

Table 2. 2024-2026 Pepco Modeled Scenarios Cost to Achieve

	Pepco Cycle Program Costs (\$ million)	Pepco Program Costs Excluding MYP Electrification (\$ million)	Energy Savings (MWh)	Cost per Energy Saving (\$/MWh)
2021-2023 Program Cycle	295	295	1,228,861	\$240
2024-2026 2023 Scenario	430	430	954,455	\$451
2024-2026 Middle Scenario	492	438	954,455	\$459
2024-2026 Max Scenario	899	845	1,189,326	\$710

B. Customer Bill Impacts are Significant Across All Scenarios

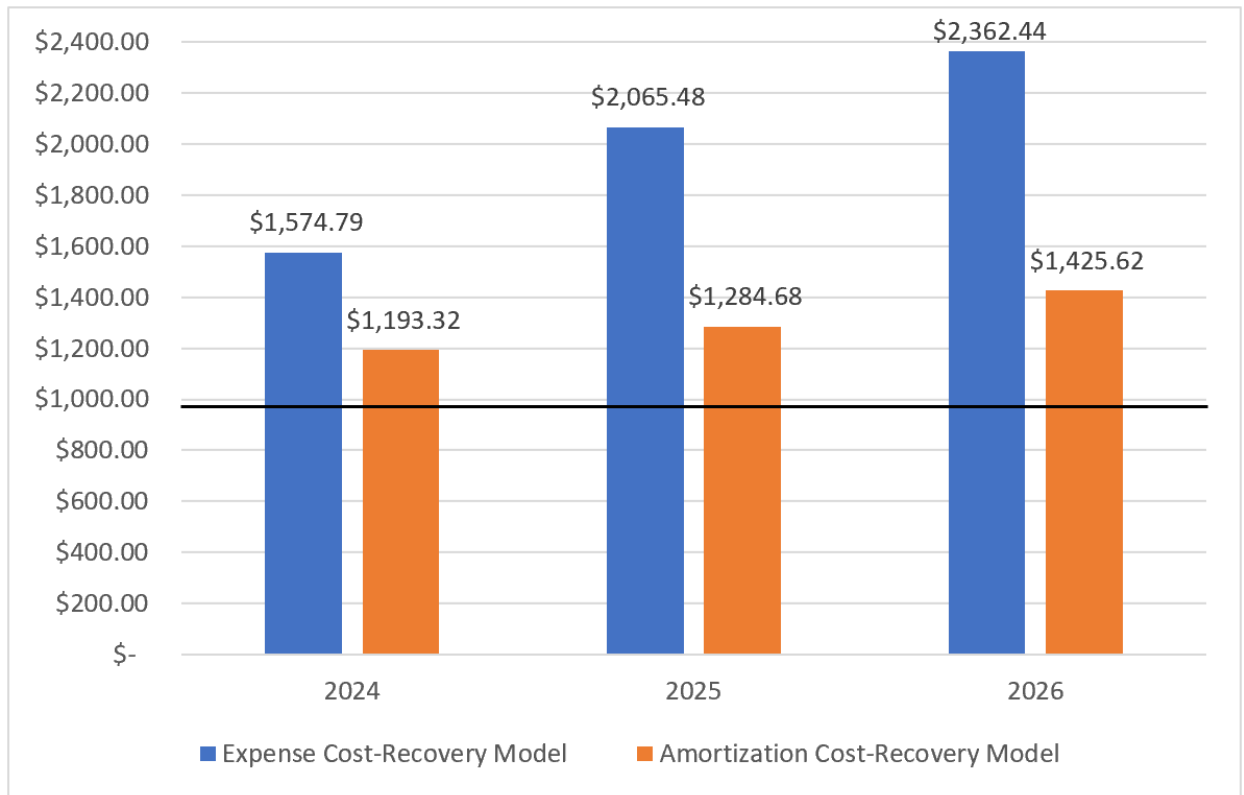
The increasing program costs across each of the scenarios paired with the transition to an expense cost-recovery model for the current program cycle result in higher bill impacts. This cost will grow even more beginning in 2027 as the statutory target for MWh savings further increases. To provide comparative data points for the Commission, in Figures 2 and 3, the Company presents

²¹ In all three scenarios, the MWh energy savings that the Company is forecasting is lower than the savings in the current 2021-2023 cycle.

the average residential and commercial EmPOWER surcharge bill impacts for the 2023 Scenario under the Commission directed expense cost recovery model and the historic cost recovery model. In addition, for actual costs for program years 2021 through 2023 and for program years 2024 through 2026, the forecasted revenue requirement, surcharge, and monthly bill impacts for the 2023, Middle and Maximum Scenarios are included in Attachment 4 using the Commission directed expense cost-recovery model.

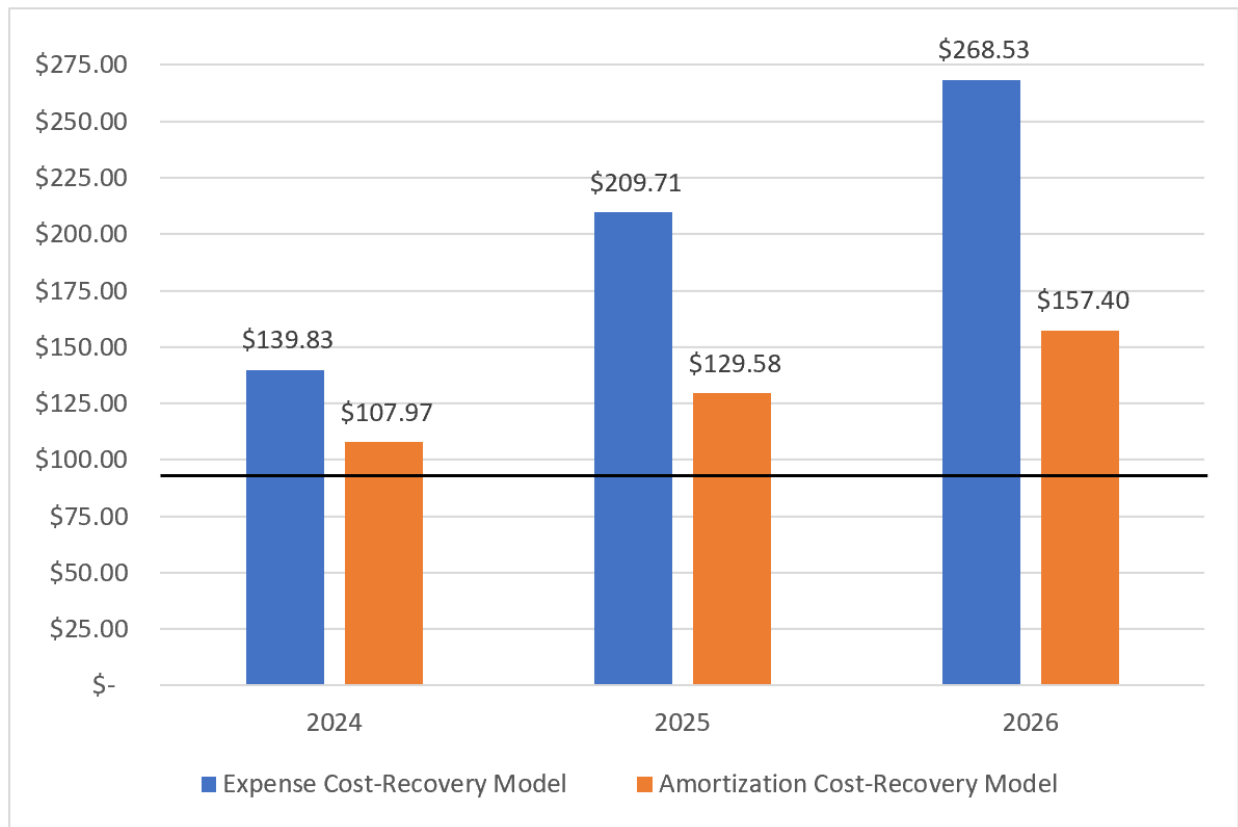
As shown in Figure 2, the total annual average bill impact to a Pepco commercial customer under the 2023 Scenario ranges from \$1,575 to \$2,362 (averaging \$2,001) over the three-year program cycle, which is more than double the current annual bill for a Pepco commercial customer (\$996). Also in Figure 2, the annual cost to customers is highest in 2026, with a 137% increase to the annual bill impact from 2023 to 2026. Alternatively, if EmPOWER costs were recovered over five years, consistent with the historic recovery methodology, by 2026 the average commercial customer's annual EmPOWER surcharge would be \$1,426, which is \$937 less than under expense cost-recovery.

*Figure 2. Annual Commercial Bill Impact for 2023 Scenario
Based on 12,569 kWh Average Monthly Usage
The Black Line Represents the Annualized 2023 EmPOWER Bill Impact of \$996



As shown in Figure 3, the total annual average bill impact to a Pepco residential customer under the 2023 Scenario ranges from \$140 to \$269 (averaging \$206) over the three-year program cycle, which is an increase of 131% over the current annual bill for a Pepco residential customer (\$89). Also in Figure 3, the annual cost to customers is highest in 2026, with a 201% increase to the annual bill impact from 2023 to 2026. Alternatively, if EmPOWER costs were recovered over five years, consistent with the historic recovery methodology, by 2026 the average residential customer's annual EmPOWER surcharge would be \$157, which is \$111 less than under expense cost-recovery.

*Figure 3. Annual Residential Bill Impact for 2023 Scenario
Based on 876 kWh Average Monthly Usage
The Black Line Represents the Annualized 2023 EmPOWER Bill Impact of \$89



IV. PERFORMANCE-BASED COMPENSATION SHOULD REFLECT THE CHALLENGE OF MEETING THE STATUTORY EMPOWER GOALS

In the Order, the Commission stated that it “expects EmPOWER program administrators to propose performance-based cost recovery approaches in addition to traditional recovery approaches” in its 2024-2026 program plans.²² Accordingly, Pepco has developed a performance incentive mechanism (“PIM”) that focuses on meeting the statutory MWh reduction requirements within the Commission’s approved budget. This proposal is simple, verifiable, and encourages the Company to meet the State’s aggressive statutory requirements.

²² The Order at p. 44.

Pepco’s proposed PIM recognizes the increased difficulty of meeting the increasing MWh reduction goal while also seeking to add cost effective programs to replace residential lighting and incorporate the Commission-ordered 20% cap on front-of-the-meter savings. This proposal also reflects the consideration that meeting these goals requires, among other things, significant customer adoption, supply chain availability, and trained contractors.

As shown in the table below, the energy savings results for the entire cycle must be at least 95% of the statutory requirement before an award is provided and will be based on the final verified savings. The reward of 5% or 10% will be a percent of shared savings, based on the benefits test in place during each year of the cycle, with the benefit being capped at 50% if the Company spends more than the approved cycle budget. The annual rewards will be calculated by the Company at the end of each cycle, using the sum of each year’s benefits test, and the surcharge will be adjusted in the subsequent cycle, subject to Commission approval.

Figure 4. Summary of Company Performance Incentive Mechanism Proposal

Metric	Reward Range Compared to MWH Target	Three Year Cycle Reward
Three Year Cycle Energy Savings Target*		
	≥ 95% - < 100%	5.0%
	≥ 100%	10.0%

* Reward is reduced by 50% if the Company spends more than the approved budget.

PIMs are not new to demand side management programs and have been used in other jurisdictions to incentivize utilities to drive energy efficiency in their territories. Over time, PIMs have evolved from a business opportunity for utilities that can be competitive with utility earnings on capital investment to a way of aligning demand side management programs with overarching policies. More recently, jurisdictions have begun to explore PIMs that align with overarching climate policy goals.

Although demand side management PIMs can be considered reward only or include a potential penalty for utilities not reaching targets, “where climate-forward efficiency PIMs do exist, incentives are predominantly asymmetrical – providing an opportunity for reward without an accompanying risk of incurring a penalty.”²³ Clear examples of reward-only and also climate-focused PIMs can be found in Massachusetts,²⁴ Vermont, and New York.

The Company recommends a PIM structure that is based on metrics of statutory energy savings as required through the CSNA. While PIMs can be tailored to support policy goals, with such broad changes occurring in the EmPOWER structure already, it would be sensible to utilize a simple PIM structure until the changes (energy vs. GHG, MJST, goal uncertainty, etc.) and new metrics across EmPOWER have been in place for an initial cycle. After such time, the Company would welcome further PIM structure coordination for EmPOWER programs.

V. PEPICO’S RECOMMENDATIONS

A. Costs related to Energy Efficiency Programs Should be Recovered Through the EmPOWER Surcharge and Costs Related to Electrification Should be Recovered Through Base Rates.

Given the high program costs of all of the three scenarios and the resulting sizable bill impacts, the Company recommends that the costs of the energy efficiency programs be recovered through the EmPOWER surcharge and that the costs of the Beneficial Electrification Program be recovered through base rates. Based on those considerations, the 2023 Scenario strikes an appropriate balance between the Commission’s statutory considerations regarding cost-effectiveness, achievability, and the customer bill impact of the three scenarios.

²³ Climate-Forward Efficiency Performance Incentives: Rewarding What Matters. ACEEE 2022 Summer Study on Energy Efficiency in Buildings. https://www.aceee.org/sites/default/files/pdfs/20220810190543432_9f62dfcf-14c7-4fc4-9601-58055a933493.pdf.

²⁴ Massachusetts Energy Efficiency Performance Incentive Mechanism in the 2019-2021 Plan. MASS SAVE. [PowerPoint Presentation \(state.ma.us\)](https://www.mass.gov/info-details/mass-save-energy-efficiency-performance-incentive-mechanism)

B. The Commission Should Enable Flexibility.

Due to the uniqueness of the 2024-2026 cycle, the Commission should enable flexibility to allow the utility program administrators to adapt to a changing goal structure as well as to provide them with flexibility in program implementation.

C. Commission Should Adopt Pepco's Proposed Performance Incentive Mechanism.

The PIM advanced by the Company is consistent with nationwide and industrywide practice of a rewards only PIM within the energy efficiency space. Pepco's PIM also appropriately balances the considerations that would incent the Company to manage its program spend while it also promotes increased energy savings.

D. The Commission Should Clarify Rules and Processes if Electrification Programs are included in EmPOWER.

The Commission directed the EmPOWER Utilities to include electrification within their scenarios. Should the Commission elect to adopt a GHG reduction goal within the EmPOWER program, there are certain additional clarifications that the Commission should provide. In particular, clarity around whether increased electric load would impact savings targets and how to harmonize and count competing programs within a single service territory (i.e. where a customer is taking service from both Pepco and WGL).

VI. CONCLUSION

Pepco appreciates the opportunity to provide to the Commission its three scenarios as directed by the Order. In the appendices that follow, Pepco provides additional information for the Commission's consideration.

POTOMAC ELECTRIC POWER COMPANY

2024-2026

EmPOWER PLAN



POTOMAC ELECTRIC POWER COMPANY 2024-2026 EMPOWER MARYLAND PROGRAM FILING

August 1, 2023

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY	4
1.1. FORECASTED RESULTS	4
1.2. PROGRAM PORTFOLIO	5
1.3. IMPLEMENTATION STRATEGY	6
1.4. COST RECOVERY	9
1.5. GOAL SCENARIO SUMMARY	10
2. PORTFOLIO ANALYSIS AND PROGRAM DESIGN	12
2.1 PORTFOLIO DESIGN AND OBJECTIVES	12
3. RESIDENTIAL PORTFOLIO	15
3.1. PORTFOLIO OVERVIEW	15
3.2. ENERGY EFFICIENT PRODUCTS	16
3.3. HOME RETROFIT PROGRAM	21
3.4 RESIDENTIAL NEW CONSTRUCTION	29
3.5. EFFICIENCY FOR AFFORDABLE HOUSING PROGRAM	33
3.6. BEHAVIORAL PROGRAM	36
3.7. DHCD COORDINATED MARKETING	38
4. COMMERCIAL AND INDUSTRIAL PORTFOLIO	39
4.1. PORTFOLIO OVERVIEW	39
4.2. EFFICIENT BUSINESS SOLUTIONS	40
4.3. SMALL BUSINESS PROGRAM	46
4.4. ENERGY EFFICIENT COMMUNITIES PROGRAM	49
4.5. COMMERCIAL MIDSTREAM	51
4.6. COMBINED HEAT AND POWER (CHP) PROGRAM	54
4.7. COMMERCIAL CUSTOMER ENGAGEMENT PORTAL	57
4.8. COMMERCIAL BUILDING ELECTRIFICATION	59
5. DEMAND RESPONSE	61
5.1. PORTFOLIO OVERVIEW	61
5.2. RESIDENTIAL DIRECT LOAD CONTROL	61
5.3. SMALL COMMERCIAL DIRECT LOAD CONTROL	64
6. PROGRAM INVESTIGATION, DESIGN, AND DEVELOPMENT (PIDD)	66
6.1. SUMMER ENERGY CHALLENGE	66
6.2. ENERGY ENGINEERS	68

6.3. CONTROLLED ENVIRONMENT AGRICULTURE (CEA) MARKET ANALYSIS	69
6.4. UNIDENTIFIED PIDD	71
6.5. PIDD BUDGETS	71
7. PROGRAMS INCLUDED IN EMPOWER ENERGY AND GHG IMPACTS BUT WITH NO COSTS RECOVERED VIA EMPOWER	71
7.1. CONSERVATION VOLTAGE REDUCTION	71
7.2. HIGH EFFICIENCY TRANSFORMERS	72
7.3. DYNAMIC PRICING – PEAK ENERGY SAVINGS CREDIT	72
7.4. BENEFICIAL ELECTRIFICATION PROGRAM.....	73
8. EMPOWER STAKEHOLDER TECHNICAL CONFERENCE SUBMISSIONS AND RECOMMENDATIONS.....	74
8.1. EMPOWER STAKEHOLDER TECHNICAL CONFERENCE.....	74
8.2. EMPOWER UTILITY PLANNING AND STAKEHOLDER COLLABORATION MEETING	76
9. TABLE OF ATTACHMENTS (2024-2026).....	83

1. EXECUTIVE SUMMARY

In accordance with the EmPOWER Maryland legislation and for the record under Case No. 9705, the Potomac Electric Power Company (Pepco or the Company) hereby submits its Energy Efficiency and Conservation Plan (Plan) and portfolio of programs for the period of January 1, 2024 through December 31, 2026 for approval by the Maryland Public Service Commission (Commission).

As detailed throughout this filing, there are significant changes to the energy efficiency landscape with respect to the savings attainable by EmPOWER programs due to energy efficiency baseline changes – namely general service lamps (GSL) which have historically accounted for significant savings at a low cost to achieve. Additionally, significant effects from the passage of the Climate Solutions Now Act of 2022¹ (“CSNA”) and subsequent decisions made through the EmPOWER Future Programming Work Group (FPWG) have led to increased complexity in planning for the 2024-2026 EmPOWER program cycle.

Pursuant to Commission Order No. 90546² (the “Goal Setting Order”) on goal setting for future EmPOWER Maryland program cycles, utilities are directed to file three separate plans (“Scenarios”) designed to achieve both energy savings and GHG savings. Based on the CSNA, utilities are still statutorily held to achieve gross annual savings targets as the Commission determines what programs and services appropriately, and cost-effectively, encourage and promote the efficient use and conservation of energy.

1.1. FORECASTED RESULTS

The portfolio summary tables below show the forecasted results for each of the Company’s proposed Scenarios. In order to compare against the statutory energy savings targets from the CSNA, annual energy (MWh) and demand (MW) metrics included below only account for energy efficiency and demand response resources. Electrification impacts, targeting GHG emissions reductions, are only included in the Lifecycle GHG Savings metric to evaluate total GHG reductions of the portfolio. For additional detail on portfolio and program metrics, refer to Attachment 1 – Executive Summary Tables.

Table 1: Forecasted Results, 2023 Scenario

2023 Scenario				
Total Portfolio	2024	2025	2026	Total
Annual MWh Savings	298,031	327,091	329,335	954,457
Annual MW Savings	403.28	409.690	412.170	497.94
Lifecycle GHG Savings	403,175	403,616	365,425	1,172,216
Incentive Costs	\$86,956,170	\$102,724,628	\$103,227,258	\$292,908,056

¹ Md. Senate Bill 528, Climate Solutions Now Act of 2022

² Maillog No. 301876: Order No. 90546 (March 20, 2023). Order on Goal-Setting for Future EmPOWER Maryland Program Cycles. Public Service Commission of Maryland.

Non-Incentive Costs	\$42,648,100	\$46,464,700	\$47,646,400	\$136,759,200
Total Program Costs	\$129,604,270	\$149,189,328	\$150,873,658	\$429,667,256
MJST Ratio	2.60			

Table 2: Forecasted Results, Middle Scenario

Middle Scenario				
Total Portfolio	2024	2025	2026	Total
Annual MWh Savings	298,031	327,091	329,335	954,457
Annual MW Savings	403.280	409.690	412.170	497.94
Lifecycle GHG Savings	587,946	1,139,707	2,070,422	3,798,075
Incentive Costs	\$87,666,861	\$104,259,853	\$105,703,250	\$297,629,963
Non-Incentive Costs	\$43,758,900	\$47,656,600	\$48,981,400	\$140,396,900
Total Program Costs	\$131,425,761	\$151,916,453	\$154,684,650	\$438,026,863
MJST Ratio	2.42			

Table 3: Forecasted Results, Maximum Scenario

Maximum Scenario				
Total Portfolio	2024	2025	2026	Total
Annual MWh Savings	366,792	408,549	413,985	1,189,326
Annual MW Savings	431.170	444.440	445.050	593.46
Lifecycle GHG Savings	736,930	1,299,084	2,224,068	4,260,082
Incentive Costs	\$189,545,407	\$237,183,156	\$240,709,399	\$667,437,962
Non-Incentive Costs	\$54,628,100	\$60,511,000	\$62,104,600	\$177,243,700
Total Program Costs	\$244,173,507	\$297,694,156	\$302,813,999	\$844,681,662
MJST Ratio	2.41			

1.2. PROGRAM PORTFOLIO

In accordance with past precedent for the operation of EmPOWER Maryland programs, Pepco has bundled its programs into sub-portfolios, including:

- Residential Programs
- Commercial & Industrial Programs
- Demand Response Programs
- Other Programs
- Program Investigation Design and Development (PIDD) proposals

The proposed 2024-2026 portfolio includes five residential programs and seven commercial and industrial energy efficiency programs; residential and small commercial demand response programs (known as Energy Wise Rewards™ or EWR); and several PIDD proposals. This portfolio is presented in three scenarios designed to achieve at minimum the statutory annual gross energy savings goals but varying in achievement of

both annual energy savings and lifecycle greenhouse gas (GHG) emissions reduction. The scenarios are:

- The 2023 Scenario,
- The Middle Scenario, and
- The Maximum Scenario

It is important to note that the proposed scenarios include Conservation Voltage Reduction (CVR) forecasts making up no more than 20% of the annual gross energy savings goal and assuming a 1-year measure life, which is in line with how CVR savings have been historically reported and viewed by the Commission. Pursuant to the Goal Setting Order, behind-the-meter (BTM) and front-of-the-meter (FTM) community resources should contribute a minimum of 80% of the annual gross energy savings goal achievement. The capping of CVR savings impacts the portfolio in that reduced savings must be made up through EmPOWER-funded savings, which necessitates significant additional spend. As stated in its previous EmPOWER filing for the 2021-2023 cycle and restated here as CVR decisions have affected the proposed budgets, “should the Commission deviate from precedent in its evaluation of CVR savings, the Company will not meet its cycle goal without significant additional spend.”³

1.3. IMPLEMENTATION STRATEGY

The Company looks forward to building on years of success in its award-winning customer programs in the 2024-2026 EmPOWER cycle. However, with this cycle comes new challenges in determining what ways EmPOWER can and should support the state’s climate legislation at this time and into the future. In order to continue to achieve the targets set forth in the proposed Scenarios and meet the challenges at hand, the Company will need to take advantage of all the opportunities available to it in the market. Identifying and following through on these opportunities will require the Company to be flexible in the administration of programs, align and coordinate with federal funding opportunities as well as other EmPOWER utilities and the Department of Housing and Community Development (DHCD), and continue to work with evaluators to ensure the proper measurement of program impacts to inform program improvements.

1.3.1. NEED FOR FLEXIBILITY DURING IMPLEMENTATION

Previous EmPOWER cycle filings have provided a roadmap to achieving the statutory energy savings targets but have also created barriers, in some cases, to serving customers most effectively. Some examples of these barriers include:

³ Maillog No. 231699: Potomac Electric Power Company – 2021-2023 EmPOWER Maryland Energy Efficiency and Conservation (EE&C) and Demand Response (DR) Plan. Case No. 9648.

- **Program Budget Changes:** Many changes can impact a program during a given cycle including conservation standard changes, market adoption changes, or other outside factors. This leaves unused budgets that could be used by other programs to maximize portfolio impacts.
- **Market Sector Barriers:** Multifamily buildings are a complex sector to target, given that they can be included in either residential or commercial rate schedules. This creates scenarios where residential programs cannot serve commercially metered multifamily units while commercial programs cannot serve residentially metered units in a sensible manner.
- **Program Incentives, Offerings, and Delivery Channels:** The Company spends over a year planning and forecasting for the next EmPOWER cycle, utilizing as much data and input as possible to inform program details, forecasts, and budgets. Various changes in the market can result in customer adoption levels that differ from forecasts, while the utilities are limited in their ability to respond or change their delivery strategies during a cycle in reaction to market changes.

With the potential for serious expansion of the portfolios in the proposed 2024-2026 Scenarios, the Company requests flexibility in these aspects of programming in order to maximize the uptake, impact, and success of these programs. This includes the flexibility to shift a higher percentage of program budgets when requested, the ability to serve multifamily buildings with the most sensible residential or commercial offerings possible, and the ability to shift measures between proposed delivery channels as needed to best serve customers. The Company understands that the sector flexibility can cause uncertainty in rate impacts, but with proper tracking of spending on these limited projects, the applicable surcharge corrections between residential and commercial rates can be updated based on actual spend in these sectors.

1.3.2. FEDERAL FUNDING THROUGH THE INFLATION REDUCTION ACT OF 2022 (IRA)

The IRA establishes incentives for customer investments in clean energy technologies through tax credits, tax deductions, and rebate programs with a focus on energy efficiency, electrification, and serving low- and moderate-income consumers. While tax credits for residential customers and tax deductions for commercial customers are already active for consumers to utilize, the IRA rebate programs are still in development awaiting final guidance from the Department of Energy (DOE) and these funds will be disbursed through state energy offices – the Maryland Energy Administration (MEA) in the case of Maryland. Two major rebate programs stand out in alignment with EmPOWER goals: the High Efficiency Electric Home Rebates (HEEHR) Program and the Home Energy Performance Based Whole House Rebates (HOMES) Program, which provide rebates for electrification and energy efficiency technologies respectively.

The Company recognizes the important role that this federal funding will play in encouraging and incentivizing customers to invest in energy efficiency and energy savings electrification technologies. The Company envisions that its coordination efforts,

including alignment and communications throughout implementation, will leverage the IRA opportunities and funding to encourage increased customer participation and program performance. Together with the other EmPOWER utilities, the Company will work with the Maryland Energy Administration and with the DHCD during the development and implementation of the IRA programs. The goal will be to communicate and inform those customers who may be eligible for both the Plan rebates and other rebates and tax credits so that they understand the total incentives available to them, further encouraging participation.

1.3.3. EMPOWER COORDINATION

The Company has increased coordination efforts with the EmPOWER utilities, DHCD, Commission Staff, and EmPOWER stakeholders in recent cycles through various EmPOWER work groups, coordinated marketing and outreach for low-income programs, the Evaluation Advisory Group (EAG), and more. With the complexities brought on by changes to EmPOWER which are summarized in the Order, outcomes of the FPWG, and outside market factors like the IRA, the Company understands it is critical to carry on and improve coordination into the 2024-2026 cycle to best serve all EmPOWER Maryland customers.

Beyond the EmPOWER coordination mechanisms already in place, the Company has included in its 2024-2026 Scenarios plans for coordination with other utilities to continue alignment of programs and incentives where possible to create clear market pathways to participation across utilities. Pepco plans to continue its coordination with Washington Gas and Light Company (WGL) through incentive payments pertaining to gas savings in coordinated programs, as well as distinct efforts to support and work with the DHCD portfolio including a dedicated marketing and outreach budget for DHCD coordination and the Efficiency for Affordable Housing Program to complement DHCD existing programs.

1.3.4. DATA MANAGEMENT, QUALITY ASSURANCE, AND EVALUATIONS

The Company's EmPOWER programs will continue to track program metrics during the cycle to fulfill the needs of evaluation, measurement, and verification (EM&V), semi-annual data reporting, and to inform programmatic improvements. All programs will follow the existing quality assurance (QA) processes to ensure proper measure installation and data collection as well as rigorous EM&V processes to verify energy savings, cost-effectiveness, and other program metrics. Pepco has and will continue to work with the EAG and the EM&V community through bi-weekly meetings and other processes to proactively address concerns ranging from avoided costs to changes in evaluation processes and factors (e.g., realization rates, net-to-gross (NTG) ratios). Through the planning process, stakeholders have included recommendations streamlining

administration/data requirements for trade allies⁴ which the Company supports to the extent that these improvements can reduce barriers to participation while maintaining the data collection needs for rigorous evaluation. The Company will look for opportunities to reduce administrative barriers in coordination with the EAG and third-party EM&V contractors.

1.4. COST RECOVERY

The Commission states within the Order the need to balance GHG abatement with the need to meet the statutory energy savings goal, while also mitigating the associated costs imposed on ratepayers. Additionally, the Commission “expects EmPOWER program administrators to propose performance-based cost recovery approaches in addition to traditional recovery approaches.”⁵ Accordingly, Pepco has developed a performance incentive mechanism (“PIM”) that focuses on meeting the statutory MWh reduction requirements within the Commission’s approved budget. This proposal is simple, verifiable, and encourages the Company to meet the State’s aggressive statutory requirements.

Pepco’s proposed PIM recognizes the increased difficulty of meeting the increasing MWh reduction goal while also seeking to add cost effective programs to replace residential lighting and incorporate the Commission-ordered 20% cap on front-of-the-meter savings. This proposal also reflects the consideration that meeting these goals requires, among other things, significant customer adoption, supply chain availability, and trained contractors.

As shown in the table below, the energy savings results for the entire cycle must be at least 95% of the statutory requirement before an award is provided and will be based on the final verified savings. The reward of 5% or 10% will be a percent of shared savings, based on the benefits test in place during each year of the cycle, with the benefit being capped at 50% if the Company spends more than the approved cycle budget. The annual rewards will be calculated by the Company at the end of each cycle, using the sum of each year’s benefits test, and the surcharge will be adjusted in the subsequent cycle, subject to Commission approval.

Table 4. Summary of Company Performance Incentive Mechanism Proposal

Metric	Reward Range Compared to MWh Target	Three Year Cycle Reward
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⁴ OPC Recommendations for 2024-2026 EmPOWER Plans. Office of People’s Counsel. May 31, 2023.

⁵ Maillog No. 301876: Order No. 90546 (March 20, 2023). Paragraph 44.

Three Year Cycle Energy Savings Target*		
	≥ 95% - < 100%	5.0%
	≥100%	10.0%

* Reward is reduced by 50% if the Company spends more than the approved budget.

PIMs are not new to demand side management programs and have been used in other jurisdictions to incentivize utilities to drive energy efficiency in their territories. Over time, PIMs have evolved from a business opportunity for utilities that can be competitive with utility earnings on capital investment to a way of aligning demand side management programs with overarching policies. More recently, jurisdictions have begun to explore PIMs that align with overarching climate policy goals.

Although demand side management PIMs can be considered reward only or include a potential penalty for utilities not reaching targets, “where climate-forward efficiency PIMs do exist, incentives are predominantly asymmetrical – providing an opportunity for reward without an accompanying risk of incurring a penalty.”⁶ Clear examples of reward-only and also climate-focused PIMs can be found in Massachusetts,⁷ Vermont, and New York.

The Company recommends a PIM structure that is based on metrics of statutory energy savings as required through the CSNA. While PIMs can be tailored to support policy goals, with such broad changes occurring in the EmPOWER structure already, it would be sensible to utilize a simple PIM structure until the changes (energy vs. GHG, MJST, goal uncertainty, etc.) and new metrics across EmPOWER have been in place for an initial cycle. After such time, the Company would welcome further PIM structure coordination for EmPOWER programs.

1.5. GOAL SCENARIO SUMMARY

Given the success of the existing portfolio, the Company has developed the proposed 2024-2026 Scenarios with the same overarching program structure as to not disrupt existing offerings. A few programs are additive in the Middle and Maximum Scenarios while many programs have expanded offerings and more aggressive forecasts in these higher Scenarios. Table 5 shows the programs included in each Scenario and the type of savings targeted by each program.

Table 5. Scenario Program Structures

PROGRAM NAME	PROGRAM TYPE	2023 SCENARIO	MIDDLE SCENARIO	MAXIMUM SCENARIO
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⁶ Climate-Forward Efficiency Performance Incentives: Rewarding What Matters. ACEEE 2022 Summer Study on Energy Efficiency in Buildings. https://www.aceee.org/sites/default/files/pdfs/20220810190543432_9f62dfcf-14c7-4fc4-9601-58055a933493.pdf.

⁷ Massachusetts Energy Efficiency Performance Incentive Mechanism in the 2019-2021 Plan. MASS SAVE. [PowerPoint Presentation \(state.ma.us\)](https://www.mass.gov/info-details/mass-save-energy-efficiency-performance-incentive-mechanism)

Residential Offerings				
Energy Efficient Products		✓	✓	✓
Appliance Rebates	Energy Efficiency	✓	✓	✓
Appliance Rebates	Electrification		✓	✓
Appliance Recycling	Energy Efficiency	✓	✓	✓
Home Retrofit		✓	✓	✓
Home Performance	Energy Efficiency	✓	✓	✓
Quick Home Energy Check-up (QHEC)	Energy Efficiency	✓	✓	✓
HVAC Rebates	Energy Efficiency	✓	✓	✓
School and Education	Energy Efficiency	✓	✓	✓
Efficiency for Affordable Housing (EAH)	Energy Efficiency	✓	✓	✓
Residential New Construction	Energy Efficiency	✓	✓	✓
Behavioral	Energy Efficiency	✓	✓	✓
Commercial Offerings				
Efficient Business Solutions		✓	✓	✓
Prescriptive	Energy Efficiency	✓	✓	✓
Custom	Energy Efficiency	✓	✓	✓
Retrocommissioning and Building Tune-Up	Energy Efficiency	✓	✓	✓
Small Business	Energy Efficiency	✓	✓	✓
Commercial Midstream	Energy Efficiency	✓	✓	✓
Commercial Customer Engagement Portal	Energy Efficiency	✓	✓	✓
Combined Heat and Power	Energy Efficiency	✓	✓	✓
Energy Efficient Communities	Energy Efficiency	✓	✓	✓
Commercial Building Electrification	Electrification		✓	✓
Demand Response Offerings				
Residential Demand Response	Demand Response	✓	✓	✓

Small Commercial Demand Response	Demand Response	✓	✓	✓
Other Programs				
Beneficial Electrification	Electrification		✓	✓
Conservation Voltage Reduction	Front of Meter EE	✓	✓	✓
Peak Energy Savings Credit	Demand Response	✓	✓	✓
Transformers	Front of Meter EE	✓	✓	✓
Program Investigation, Design, and Development (PIDD) Programs				
Summer Energy Challenge	Energy Efficiency	✓	✓	✓
Energy Engineers	Energy Efficiency	✓	✓	✓
Controlled Environment Agriculture (CEA)	Energy Efficiency	✓	✓	✓

2. PORTFOLIO ANALYSIS AND PROGRAM DESIGN

2.1 PORTFOLIO DESIGN AND OBJECTIVES

Pursuant to Commission Order No. 90546 (“the Order”) on goal-setting for future EmPOWER Maryland program cycles, utilities are directed to file three separate scenarios (“Scenarios”) designed to achieve both electricity savings and GHG savings. Based on the CSNA, utilities are statutorily held to achieving gross annual savings targets as the Commission determines what programs and services appropriately, and cost-effectively, encourage and promote the efficient use and conservation of energy.

The CSNA energy savings targets, calculated as a percentage of the electric company’s 2016 weather-normalized gross retail sales and electricity losses, are 2% per year in 2024, then increasing to 2.25% per year in 2025 and 2026. As such, Pepco must deliver 945,532 MWh of gross wholesale energy savings in the 2024-2026 EmPOWER Maryland program cycle, or an average of 315,177 MWh per year. This is an 8.3% increase over the 2021-2023 EmPOWER Maryland program cycle, which required 2% savings or 290,933 MWh per year.

The Commission’s Order also discusses (in paragraphs 23-24) the EmPOWER Maryland programs having to balance statutory energy savings goals with new priorities such as GHG abatement, customer benefits, and reaching underserved communities, while also mitigating the associated costs imposed on customers. While the Company is encouraged to deploy programs which reflect the changing priorities, it also strongly agrees with the Order’s statement around the unknown and unquantified variables surrounding the formation of specific goals. The Company’s proposed 2024-2026

EmPOWER filing includes Scenarios that react to multiple changing landscapes reflecting an optimistic forecast to meet even the 2023 Scenario requirements to an outright aggressive, expensive, and possibly unachievable forecast in the Maximum Scenario.

2.1.1. CHANGING EMPOWER LANDSCAPES

While the statutory energy savings goals are increasing in the 2024-2026 EmPOWER cycle, there are several factors that make these increased targets more difficult to achieve than in prior years, including increasing energy codes and baselines, policy decisions, and economic and market conditions. The largest of these impacts are the EISA lighting standards eliminating significant savings from screw-in LED measures across the portfolio, and capping CVR savings at a maximum of 20% of the goal savings. Replacing these lost savings necessitates increasing forecasts in other EmPOWER programs and measures, which comes with uncertainty. Furthermore, the Commission ordered the utilities to develop the Middle and Maximum Scenarios, which require even higher energy savings forecasts from these same programs. When programs are forecasted to achieve significantly more savings than historical performance, there is increased uncertainty in the market reaction and adoption of these technologies.

2.1.2. APPROACH TO PORTFOLIO DESIGN

Initial portfolio design was informed by a top-down analysis of programs and savings opportunity informed by historic portfolio performance, the Maryland GHG Abatement Potential Study (“the Potential Study”), and benchmarking against other jurisdictions. This process preliminarily identified areas where the portfolio could realize additional savings. In the case of EmPOWER, having successful and award-winning portfolios that have been run continuously for 15 years, many new programs have already been explored or implemented, but Pepco is certainly open to new program offerings as long as the Company could verify new offerings to be feasible from an implementation standpoint, realize sufficient energy savings, and be cost effective. While Pepco will be introducing a few new offerings in this upcoming cycle, most changes will be represented as program enhancements. These enhancements and additional offerings were identified through benchmarking and stakeholder engagement/proposals which were tagged for inclusion in the proposed 2024-2026 Scenarios.

Informed by the top-down portfolio analysis, the Company then developed the program portfolio through a bottom-up design that included individual measure analysis and forecasting, which informed program development and finally formed the whole portfolio.

2.1.3. THE MARYLAND GHG ABATEMENT POTENTIAL STUDY

The Potential Study was informative in identifying sectors of the market where EmPOWER could see expanded market penetration. While topline results looked initially aligned with historic EmPOWER achievement in the Business As Usual (BAU) potential study scenario, this was not the case when looking at individual measures and programs. Overall, the potential study savings were realized through high adoption of long measure life technologies and severely under-represented shorter lifetime measures such as behavioral programs, which have historically achieved high energy savings at an extremely affordable cost. The Maximum Achievable potential study scenario deviated even further from historic performance, showing an order of magnitude higher savings through a combination of higher adoption of the highest efficiency technologies and higher participation rates overall.

The Loper Adjustments (as named in the Order) were developed after the initial Potential Study results. Although the Company understands the process and agrees with the principles used in the Loper Adjustments, there are concerns that limit the ability of the Company to align or consider this analysis, primarily because this analysis deviated too far from the historical measure make-up, or any forecasted mix of measures Pepco would consider in the next cycle.

The results of the Potential Study were used to inform areas of opportunity across the portfolio, such as expansion in the C&I sector savings, as shown in the portfolio design. However, the forecasts, especially in the Maximum Achievable potentially study scenario, were viewed as aspirational and something the programs could try and build towards but were unlikely to achieve across the board. Achieving the aggressive forecasts in the higher scenarios from the Potential Study would assuredly not be feasible in the first year and potentially not in the first cycle, even with significantly higher incentives.

2.1.4. STAKEHOLDER ENGAGEMENT

In developing the 2024-2026 Scenarios, Pepco has placed an emphasis on the input and concerns of various stakeholders. Throughout the Future Programming Work Group process and the planning process, Pepco welcomed feedback from Commission Staff, Office of People's Counsel (OPC), Maryland Energy Administration (MEA), Department of Housing and Community Development (DHCD), Service Providers, vendors promoting program or technology innovation, and other industry experts from around the country. During the shortened planning period between the Order and the filing deadline, Public Service Commission (PSC) staff hosted two stakeholder sessions; the first being the EmPOWER Stakeholder Technical Conference and the second being the EmPOWER Utility Planning and Stakeholder Collaboration Meeting.

The Technical Conference provided an opportunity for vendors and stakeholders to lend ideas for new programs, offerings, or enhancements to the EmPOWER programs while

the Planning and Collaboration Meeting gave the utilities an opportunity to present initial plans and receive stakeholder recommendations and feedback. Stakeholder proposals, recommendations, and feedback are summarized and acknowledged by the Company in Section 8.

The EmPOWER Maryland utilities convened on a weekly basis throughout which Pepco was an active participant. These calls provided a regular, informal forum to share experience, research, and proposals, and to coordinate to deliver portfolio alignment to the extent practical. The utilities agree on the importance of program consolidation where possible as a critical success factor in achieving the 2% goal in 2024 and 2.25% in 2025 and 2026, in the most cost-effective manner. Additionally, the utilities have established common up-to incentive levels as found in the Appendices.

Similarly, Pepco has worked closely with the Evaluation Advisory Work Group (EAG), along with our independent Evaluation Measurement and Verification (EM&V) contractor, participating in bi-weekly meetings to proactively address concerns ranging from avoided costs for the cycle to changes in evaluation processes and evaluation factors (e.g., realization rates, net-to-gross ratios).

Pepco is committed to continuing its deep level of engagement and collaboration on an ongoing basis to strengthen its contributions to Maryland's clean energy goals.

3. RESIDENTIAL PORTFOLIO

3.1. PORTFOLIO OVERVIEW

This new program cycle brings significant challenges as well as opportunities to the residential energy efficiency portfolio. With changing codes and standards, rapidly emerging technology, and new design innovations, Pepco seeks to refine the program delivery for continuing programs, as well as explore additional market opportunities. Pepco proposes offering five programs: Efficient Products, Home Retrofit, Residential New Construction (ENERGY STAR® New Homes), Efficiency for Affordable Housing, and Behavioral Home Energy Reports. This streamlined approach proved successful over prior program cycles and continues to allow the Company to evaluate on an on-going basis the most cost-effective, impactful allocation of resources while minimizing the administrative burden and regulatory delays to reallocate approved resources or make relatively minor portfolio modifications.

The residential energy portfolio includes the following programs:

- **Efficient Products Program**, including Appliance and Appliance Electrification Rebates, and Appliance Recycling
- **Home Retrofit Program**, including QHEC, Home Performance, Residential HVAC, and School and Education Program with student take-home kits

- **Residential New Construction**, including additive measures for high-efficiency electric space and water heating equipment
- **Efficiency for Affordable Housing**, a new program to pursue retrofit energy efficiency savings in low-to-moderate income (LMI) and rent-controlled areas in coordination with DHCD
- **Behavioral**, providing Home Energy Reports to yield verifiable energy savings by encouraging voluntary behavioral modifications.

In addition to these programs, the Company's residential Beneficial Electrification Program filed through Pepco's Multiyear Plan will incorporate space and water heating electrification measures. This electrification program will work across the Home Retrofit Program offerings, namely Home Performance and HVAC, to enable electrification measures to be included in those projects.

3.2. ENERGY EFFICIENT PRODUCTS

3.2.1. PROGRAM OVERVIEW

The Energy Efficient Products Program brings together under one consolidated program residential appliance rebates and residential appliance recycling. During the previous program cycle, the Company offered this comprehensive program which proved successful and provided efficient management of the differing program aspects. Discussed below are the two subprograms in more detail, highlighting challenges and program modifications that will take place in the 2024-2026 program cycle.

Notably, the Company has removed the Residential Lighting component of this program. The Energy Independence and Security Act (EISA) was originally passed in 2007 and was rolled out in two phases of progressive efficiency standards. The second phase was enacted in July 2022 and as of mid-2023, retailers no longer carry non-compliant general service lamps pushing LEDs to be the only screw-in lighting available to customers for standard lamp types. For utility programs, the lack of inefficient options for consumers means that the utility can no longer realistically claim savings for incentivizing point-of-sale screw-in LED lamps, affecting programs serving both residential and commercial sectors.

RESIDENTIAL APPLIANCE REBATES

The Residential Appliance Rebates Program is designed to increase market share of ENERGY STAR® certified appliances and other efficient residential products sold through retail channels (in-store and online). In previous program cycles, the program has operated through downstream, midstream and upstream models. In a downstream model, incentives are paid directly to customers. The midstream model provides incentives to distributors for stocking and promoting qualifying high-efficiency equipment. The

upstream model consists of limited time offers (LTOs) for products such as smart thermostats and air purifiers through retail partners.

Furthermore, Pepco will continue to offer discounted efficient products on our online Marketplace for those customers enrolled in My Account. The program may continue to participate in the EPA Retail Products Platform (RPP), which includes clothes washers, clothes dryers, refrigerators, freezers, and room air conditioners.

The Company has also utilized the Shift model for appliance rebates, providing an efficient model priced to match the price point of an entry level model for certain appliances. In partnership with the Shift Consortium, this delivery aims to target popular and affordable models to target LMI customers and others who shop for standard low-cost appliances. In the 2021-2023 EmPOWER cycle, this delivery has shown promise to reach new customer groups, especially with ENERGY STAR® clothes washers.

In the 2024-2026 program cycle, the program will leverage the appropriate delivery channels to reach the maximum number of participants. A measure's delivery channel may change during the 2024-2026 program cycle to maximize participation.

RESIDENTIAL APPLIANCE RECYCLING

The Residential Appliance Recycling Program has been offered since 2012, and incentivizes customers to remove old, inefficient appliances from the grid and recycle them properly. Customers can schedule an at-home pickup appointment to recycle their working refrigerators or freezers for an incentive. During at-home pickups, room air conditioners, dehumidifiers, and compact refrigerators can be recycled at the same time as a refrigerator or freezer. To accommodate customers that may only have a small unit, Pepco also sponsors Appliance Recycling Turn-In events throughout the year where customers can drop off their small appliances for an incentive.

In addition to tracking electric kilowatt hour (kWh) savings, the appliance recycling program will begin tracking GHG savings. GHG savings are captured by following the EPA's Responsible Appliance Disposal program's recycling guidelines and will account for GHGs that are found in refrigerant and foam, as well as those that would otherwise be emitted from landfilling durable materials.

During the previous program cycle, the Appliance Recycling Program coordinated with the residential QHEC Program to coordinate customers' recycling pick-ups with QHEC visits to make program participation as convenient as possible. LTOs, which offer increased incentives for a limited time, have also proven to be a successful tactic to drive program participation.

The Residential Appliance Recycling Program leverages the retail partnerships developed by the Appliance Rebate Program. Point-of-purchase (POP) materials help to

advertise the Appliance Recycling Program in retail locations participating in the Appliance Program. The program also partners with large retailers and will seek to offer the ability to schedule recycling pick-up appointments and to have the recycling pick-up occur when their new appliance is delivered.

3.2.2. TARGET MARKET

The Energy Efficient Products Program targets all Pepco residential account holders. Residential Appliance Recycling may also target residential style appliances for commercial account holders to be able to serve multifamily customers and other commercial opportunities like college dorms and similar markets. This cross-sector flexibility is discussed above in Implementation Strategy.

3.2.3. MARKET ANALYSIS AND TRENDS

The Residential Appliance Rebates Program is forecasted to make up a portion of the lost savings from the removal of the Residential Lighting Program. Driving savings in this program necessitates multiple delivery channels to meet customers with opportunity wherever or however they shop. Additionally, increased incentives as well as marketing, outreach, and LTOs will attract customers to high efficiency options for the appliance needs. The Company will also continue to explore enhancements to its Residential Appliance Recycling Program, recognizing the program's success in reaching a broad range of customers.

3.2.4. ELIGIBLE MEASURES/SERVICES

See Attachment 2 (Measures and Incentives) for measures and incentives.

The Appliance Rebates Program will offer a variety of energy efficiency measures and may include new electrification measures as deemed feasible across delivery channels. These electrification measures could include electric clothes dryers, heat pump water heaters, and induction cooktops/ranges. The program may offer new measures or change delivery channels during the 2024-2026 program cycle to maximize savings.

The Appliance Recycling Program will consider a new measure in compact refrigerators.

3.2.5. CUSTOMER INCENTIVES

See Attachment 2 (Measures and Incentives) for a list of program incentives

3.2.6. MARKETING

The Energy Efficient Products Program will leverage various marketing and media channels as necessary to reach residential customers and educate them on qualified

products and program offerings. The Company will dig deeper in its targeting, narrowing in on key households that are most likely to participate and share a greater focus on low-to-moderate income audiences. Each program will have its own uniquely designed marketing plan to stand alone when implemented, but also to work together with other marketing plans as one holistic campaign.

RESIDENTIAL APPLIANCE REBATES

Advertising campaigns will continue to focus on key seasonality periods, retail holidays and sales events to reach customers when they're most likely to make a major purchase and participate in the program. The Company may employ the following marketing strategies:

- Promote appliance-specific products that are eligible for rebates through the program during peak retail sales periods
- Promote appliances during key holiday sales periods when customers are actively shopping for discounts on household appliances such as President's Day, Maryland Tax-Free Weekend, and Black Friday
- Drive sales at retail through in-store POP signage such as horizontal and vertical beam signs, rebate brochures, and ellipticals
- Continue educating customers on the midstream offerings in addition to the rebated products
- Leverage utility-owned channels to build general awareness such as bill inserts and organic social media posts

RESIDENTIAL APPLIANCE RECYCLING

Advertising will continue year-round to maintain program awareness, while focusing on key seasonal marketing pushes. Customers are active during the spring and early summer when spring cleaning and home improvements are more likely to take place. Increased engagement in the program is seen again in the fall and early winter when customers engage in back-to-school activities and prepare for the winter months. Pepco may employ the following marketing strategies:

- Focus advertising year-round with key seasonal pushes when customers are more likely to participate in the program
- Continue cross-promotion with the QHEC Program, allowing customers to schedule an appliance pick-up at the same time as a QHEC

- Drive increased engagement through promotions of LTO offers and turn-in events typically held during the spring and fall seasons
- Inform and educate customers on the program and additional savings they can receive through handouts such as rack cards and brochures
- Leverage utility-owned channels to build general awareness such as bill inserts and organic social media posts, as well as the Pepco online marketplace

3.2.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

3.2.8. GOAL SCENARIO MODIFICATIONS

The outline of the program contained in the preceding sub-sections describes the overall delivery strategy as expected for the 2023 Scenario.

The middle scenario will feature elements of the 2023 Scenario with the following changes:

- For Appliance Rebates, the program will include appliance electrification measures in the Middle Scenario. These measures will target smaller residential fossil fuel appliance replacements such as electric ranges and cooktops, clothes dryers, lawn equipment, and fireplaces. These measures may also be offered within the Home Retrofit Program where appropriate. The Company will work with the EAG to discuss evaluation needs and feasibility for these electrification measures in order to effectively offer them in the market.
- For Appliance Recycling, the program will increase the number of and frequency of LTOs compared to the 2023 Scenario.

The Maximum Scenario will feature the elements of the 2023 and Middle Scenarios, with the following changes:

- For Appliance Rebates, the program will also include appliance electrification measures. In addition, Pepco will offer higher incentives for strategic measures (e.g., heat pump water heaters, smart thermostats, and clothes washers) as well as measures through the marketplace and POS delivery channels. The Company will continue to explore new measures that would see uptake in the products program. To realize the Maximum Scenario forecasts for Appliance Rebates, Pepco will need flexibility to alter delivery channels as well as change, add, or remove measures across delivery channels to best reach customers.
- For Appliance Recycling, the program will increase the number of and frequency of LTOs compared to the Middle Scenario.

Achieving the goals laid out in the Maximum Scenario for this offering will require significant flexibility and investment in outreach and marketing, as offerings will be shaped

to maximize market participation. Incentive levels in this scenario are likely to vary significantly over time as the Company responds to market feedback and quickly adapts to expand savings.

3.3. HOME RETROFIT PROGRAM

3.3.1. PROGRAM OVERVIEW

The Home Retrofit Program encompasses the following subprograms: Quick Home Energy Check-up (QHEC), Home Performance, Residential HVAC, and School and Education Programs.

The Home Performance offering is the legacy Home Performance with ENERGY STAR® (HPwES) Program. After 20 years, the U.S. Department of Energy (DOE) “will sunset the HPwES Program by 2025 to allow home performance programs the flexibility to help states achieve the clean energy goals of [the 2021 Bipartisan Infrastructure Law] BIL and [the 2022 Inflation Reduction Act] IRA.”⁸ The Company will continue this Home Performance offering and may modify the program structure to fit EmPOWER needs as the federal program sunsets during the 2024-2026 program cycle. As this change takes place, the Company will look to further align Home Performance and QHEC to streamline these audit-based programs and achieve deeper energy savings for customers.

QUICK HOME ENERGY CHECK-UP

The Quick Home Energy Check-up (QHEC) Program helps residential customers learn about energy use management and provides tailored energy efficiency opportunities through contractor home visits. The program is designed to provide a strong emphasis on education and that will continue to be the priority in the next program cycle. All check-ups are conducted by Check-up Professionals. The Check-up Professional conducts a visual inspection of the customer’s home, noting health and safety concerns, gathering information on energy use, and noting areas where energy efficiency improvements can be made.

During the QHEC, the contractor also offers customers the option of receiving no-cost energy-saving products (i.e., direct install measures) that are installed during the check-up, such as LED bulbs,⁹ faucet aerators, smart power strips, smart thermostats, and efficient-flow showerheads, which help customers reduce energy consumption instantly. All findings and direct install measures provided during the inspection will be captured in the contractor’s QHEC mobile tool and summarized into a final QHEC report provided to

⁸ Important News about Home Performance with ENERGY STAR®. Office of Energy Efficiency & Renewable Energy. DOE. <https://www.energy.gov/eere/buildings/home-performance-energy-star>.

⁹ The Company intends to provide LED measures for QHEC as a direct install measure only and to work with the Evaluation Work Group to evaluate the savings impact of this delivery method.

the customer. These user-friendly reports also provide a list of improvement opportunities in a colorful and informative format. The program's customer experience focus has consistently led to high program satisfaction rates.¹⁰

HOME PERFORMANCE

The Home Performance Program will continue to offer increased residential comfort and energy efficiency by incentivizing home improvement projects for existing homeowners. In the 2024-2026 EmPOWER cycle, there will be some critical program updates to drive higher participation and higher savings:

- The program will include a new LMI offering with higher incentives compared to the standard incentive structure and targeted towards moderate-income customers.
- The incentive cap for standard projects will be increased from \$7,500 to \$10,000.

The Home Performance Program uses a “whole house” approach and addresses energy efficiency, comfort, and air quality improvements to the house as a system. The program implementation occurs in two parts:

- Home Performance Audit
- Home Performance Job

The Home Performance Audit is the first step for customers to enter the Home Performance Program. The audit includes extensive tests, conducted by a participating contractor of their choice, which are subsidized by the Home Performance Program. Tests such as a blower door test, infrared camera scan, and combustion safety testing enable the contractors to provide customers with personalized recommendations for energy efficiency improvements. After the completion of the audit, participating contractors will provide homeowners a final report that includes a Prioritized List of Measures (PLOM). The PLOM helps customers understand which projects are the most beneficial based on the audit results and cost effectiveness calculations. The PLOM clearly communicates the estimated savings, available program incentives, and ensures customers will have the necessary information needed to make informed decisions regarding their home energy efficiency improvement projects.

After completing a Home Performance Audit, Home Performance Program customers have the option of completing an energy efficiency project or “Home Performance Job.” Working with a contractor of their choice, customers will be able to deepen energy savings and increase comfort by addressing common sources of air leaks through insulation improvements, duct sealing, and making efficiency improvements on HVAC and water heating appliances. At the completion of the Home Performance Job, the contractors will

¹⁰ 84% of Pepco participants were satisfied according to “Guidehouse: 2022 Participant Survey Results: Quick Home Energy Check-Up, Home Performance with ENERGY STAR® Audits, and Home Energy Improvement Program Audits.”

repeat the tests conducted during the first part of the program to measure the improvements to the home attributed to the Home Performance Job. This information is then reported to the program through the rebate application.

Building off the success that the Home Performance Program recognized in the previous program cycle, the Company will continue to offer the performance-based incentives that contractors and customers have become accustomed to. These incentives, paid out based on forecasted energy savings for customers, drive deeper and more cost-effective energy savings. These savings have been verified by the third-party evaluator.

The Home Performance Program will have significant overlap with the Beneficial Electrification Program filed in the Company's Multiyear Rate Plan and detailed later in this filing. Electrification measures will be funded through the Beneficial Electrification Program but incorporated into the Home Performance Program offering.

RESIDENTIAL HVAC

The Residential HVAC Program provides incentives for the purchase of high energy-efficient HVAC equipment which is part of a residential central (ducted) system or ductless type of equipment. The program is intended to drive both savings and further market transformation of the residential HVAC market in the Pepco service territory.

The program is designed to operate via a midstream model whereby incentives are paid to the distributor who discounts the qualifying equipment and encourages contractors to purchase the qualifying equipment. While the program will continue to operate via a midstream model, Pepco may look for opportunities to allow certain "qualified" contractors to submit rebate applications directly on behalf of their customers to ensure robust participation. The Company may pursue this downstream pathway to participation if support among contractors is strong enough, as well as in response to feedback received through the Midstream Work Group, acknowledging that current cycle participation using a midstream approach has been less than forecasted. The Company may coordinate with other utilities to standardize the offering in the market.

In general, the program will likely engage distributors, local market trade groups, industry associations, manufacturers, and other market actors through marketing advertisement, marketing outreach campaigns, and direct program outreach. This will drive program participation and will further transform the market as distributors, contractors, and end-use customers are educated on the benefits of high efficiency HVAC equipment.

The Beneficial Electrification Program filed in the Company's Multiyear Rate Plan and detailed later in this filing will be offered in alignment with the Residential HVAC Program. As electrification will require significant market outreach to all market actors, these programs will overlap heavily in the market actors they support.

SCHOOL AND EDUCATION

The School and Education Program provides fifth-grade teachers and high school teachers energy and energy-efficiency related teaching materials tied to the grade appropriate curriculum, standards-of-learning, and core requirements. Students also receive materials and supplies that will provide an academic foundation about energy and help students to understand and appreciate the value of electricity, energy efficiency, and natural resources in daily life. Materials are also provided for parents/guardians. Additionally, the program provides students with a take-home kit of energy efficiency related tests and energy efficiency measures to install in their homes with their parents/guardians, yielding verifiable energy savings. During the program cycle, the program team will consider exploring opportunities to enhance the program and/or program delivery method(s), for example, through changes in the mix of products for the take-home kit.

3.3.2. TARGET MARKET

The Home Retrofit Program is open to all residential customers. The School and Education Program will be offered to fifth grade classes and high school classes in participating schools throughout the service territory, although participation in the program is not required of teachers and therefore some schools may not offer the program to their students.

3.3.3. MARKET ANALYSIS AND TRENDS

Various market trends will impact the implementation of the Home Retrofit Programs. Customers continue to expect to be able to make data-driven decisions to gain deeper insights on how to drive energy savings. Additionally, there is increasing demand for easy access to measures and programs. Programs that offer simple, non-burdensome participation will make for successful results in the 2024-2026 program cycle.

To ensure that these customer demands are met, the Company is exploring the following specific approaches:

- Offer QHECs to prompt easy entry into other programs for customers
- Consider lowering the \$100 copay for customers to receive a Home Performance Audit to entice more participation
- Utilize the home performance programs to leverage customers' actual billing data to provide customized energy savings and associated incentives
- Provide HVAC Tune-ups at the same time as QHEC appointments, which allows customers easy access to additional measures
- Offer QHEC audits at the same time as a unit pick-up under the Appliance Recycling Program
- Provide materials in multiple languages through the School and Education Program to all students

3.3.4. ELIGIBLE MEASURES/SERVICES

See Attachment 2 (Measures and Incentives) for measures and incentives.

QUICK HOME ENERGY CHECK-UP

The Company will continue to monitor the market and work with its vendors to determine if additional products are available for direct installation. The Company will include these measures if they are determined to provide savings for the customers at a reasonable cost.

HOME PERFORMANCE

Home Performance Jobs are determined on a case-by-case basis depending on the needs of the home, and may include the following measure categories for consideration:

- Air sealing
- Insulation
- Mechanical Equipment
- Duct Sealing
- Windows
- Health and Safety Measures Required by the Building Performance Institute (BPI)

Additional measures may be added to the program in the future. The Company will work with its vendors and update program offerings based on feedback from stakeholders and market changes.

RESIDENTIAL HVAC

The measures in this program include central A/C, air source heat pumps, ductless (single and multi-zone mini split) heat pumps, ground source heat pumps, smart thermostats, and heat pump water heaters. In 2022, the program included ducted mini-split heat pumps under the air source heat pumps measure category. The program also includes HVAC tune-up measures for residential customers.

Under the midstream program structure, distributors are provided the standard Pepco HVAC equipment incentive structure as a starting point to develop their own internal program designs to encourage the delivery of high efficiency heating and cooling equipment to Pepco customers. Given this flexibility, distributors may choose to increase the incentives offered through their internal program designs. As a result, customers may end up receiving an increased total equipment incentive, which may exceed the baseline utility rebate amount. However, direct payment to participating distributors will still be set by program management per measure.

3.3.5. CUSTOMER INCENTIVES

See Attachment 2 (Measures and Incentives) for a list of program incentives.

3.3.6. MARKETING

The Home Retrofit Program will leverage various media channels as necessary to reach residential customers and educate them on qualified products and program offerings. The Company will dig deeper in its targeting, narrowing in on key households that are most likely to participate and place a greater focus on LMI income audiences. Each program will have its own uniquely designed marketing plan to stand alone when implemented, but also to work together with other marketing plans as one holistic campaign.

The Home Retrofit Program is an ideal fit for clearly marketing projects and technologies for which customers could also receive tax credits or rebates through the IRA. Wherever possible, marketing and program materials will include details on IRA programs in order to benefit from the availability of both federal and EmPOWER incentives.

QUICK HOME ENERGY CHECK-UP

Marketing efforts will focus on encouraging customers to take advantage of this no-cost program that will help their home become more energy efficient in as little as an hour. While advertising for this program will run all year long, increased promotions will occur during the spring home remodeling season and again at the height of summer and winter when temperatures are more extreme and energy bills are higher. The Company may employ the following marketing strategies:

- Focus advertising during key seasonality when customers may experience discomfort in both the summer and winter months
- Target advertising at low-to-moderate income customers
- Maintain program awareness year-round to keep the program top-of-mind for customers and encourage participation
- Continue cross-promotions with the Appliance Recycling Program to help customers maximize savings and convenience
- Educate and support participating contractors with materials such as customized contractor attire, program overview brochures, and door hangers
- Leverage utility-owned channels to build general awareness such as bill inserts and organic social media posts

HOME PERFORMANCE

The majority of home retrofit work occurs during periods of peak seasonal discomfort in the summer and winter months and when customers experience high energy bills. Advertising for this program will ramp up during those periods, typically between mid-

January through March, mid-May through July, and again in October through November. These strategic time periods will allow contractors to reach their customers when they are actively searching for ways to reduce their energy costs and increase home comfort. The following marketing strategies may be employed:

- Deploy marketing during key seasonal periods with a greater budget share to the peak temperature months
- Engage customers throughout their program journey, increasing conversion rates from audits to jobs
- Educate and support participating contractors with materials such as program overview brochures
- Inform customers on the differences between Home Performance and QHEC and encourage participation in both programs
- Leverage utility-owned channels to build general awareness such as bill inserts and organic social media posts

RESIDENTIAL HVAC

The marketing campaign focuses on educating customers on the benefits of energy efficient HVAC units. There are two key seasons for peak customer engagement: during the summer when customers are more likely to purchase cooling equipment, and during the winter when customers need heating equipment. The Company may employ the following marketing strategies:

- Focused marketing outreach prior to and during the two key seasonal periods (cooling and heating), while sustaining year-round awareness to maintain program activity
- Support HVAC distributors and participating contractors with educational materials as requested such as flyers and brochures
- Support distributors with POP materials to be used at distributor locations such as ellipticals, counter mats, and wall banners
- Leverage utility-owned channels to build general awareness such as bill inserts and organic social media posts
- Pepco also looks to leverage the HVAC Tune-up option as a vehicle for customer outreach and engagement

As a pathway for downstream delivery may be explored, marketing would also be augmented to focus on specific customer rebate offers that are not as clear in midstream programs.

SCHOOL AND EDUCATION

The School and Education Program is designed to target all demographics including hard-to-reach, low-income, and single and multifamily homes. The offering performs outreach

to fifth grade classrooms and high schools in the service territory to enroll teachers and their students in these programs. The schools are contacted directly via phone, fax, and email. The enrollment can be done via web portal, phone, fax and by email. In addition, the Company will deploy awareness driving tactics to support these programs as needed and provide further marketing materials for other EmPOWER programs in the take-home kits.

3.3.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

3.3.8. GOAL SCENARIO MODIFICATIONS

The outline of the program contained in the preceding sub-sections describes the overall delivery strategy as expected for the 2023 Scenario.

The Middle Scenario will feature all the elements of the 2023 Scenario for energy efficiency. Additionally, electrification measures stemming from the Electrification Program will also be incorporated into these offerings, namely the Residential HVAC and Home Performance Programs.

The Maximum Scenario will feature the elements of the 2023 and Middle Scenarios, with the following changes:

- For QHEC, the program will look largely the same as the 2023 and Middle Scenarios as the direct install measures are already at no cost to the customer. Additional participation will be driven through marketing and outreach to the community and increased penetration of targeted measures will occur such as smart thermostats, door sweeps, and window film.
- For Home Performance, the program will have enhanced and fuel-neutral incentives allowing for electrification measures and prioritizing incentives for GHG reductions. The Maximum Scenario savings forecast also relies on more optimistic assumptions for the conversion rate from home performance audits to home performance jobs and also higher savings per home stemming from federal funding driving additional participation and deeper energy savings per project.
- For Residential HVAC, the Maximum Scenario will include incentives that are roughly double what is offered in the 2023 and Middle Scenarios. Additional marketing and outreach as well as trade ally support will drive higher participation and adoption of higher efficiency HVAC units. This forecast also relies on an optimistic forecast for federal funding from the IRA to drive higher participation.
- For School and Education, the Maximum Scenario is consistent with the 2023 and Middle Scenarios.

Achieving the goals laid out in the Maximum Scenario for this program will require significant flexibility and investment in outreach and marketing, as offerings will be shaped to maximize market participation. Incentive levels in this scenario are likely to vary

significantly over time as implementation teams respond to market feedback and quickly adapt to continue to expand savings.

3.4 RESIDENTIAL NEW CONSTRUCTION

3.4.1. PROGRAM OVERVIEW

The Residential New Construction Program encourages builders to construct ENERGY STAR® -certified homes by offering incentives, training, and customized support. Launched in mid-2009, the program is recognized as one of the nation's top residential new construction programs, winning both the ENERGY STAR® Partner of the Year and ENERGY STAR® Residential New Construction Market Leader awards from 2011 through 2023.¹¹ Since launching, the program has helped to lead a market transformation in the state. The Pepco Residential New Construction Program helped Maryland to remain second in the nation in market penetration rate of ENERGY STAR® -certified Homes.¹²

The program's success can largely be attributed to the personalized one-on-one account management and proactive engagement strategy used by program staff. Participating builders and raters also find value in the program's training, guidance, and support. In addition, program staff proactively engage participants and continually improve program offerings based on participant feedback. The consistent participation levels and program growth throughout various incentive and market changes demonstrate continued participant satisfaction. The program staff consistently develop and present unique training regarding new technologies in partnership with other industry stakeholders. For the 2024-2026 program cycle, the Residential New Construction Program will maintain its existing program offerings and include additional enhancements:

- ENERGY STAR® NextGen Certification which has not been finalized by ENERGY STAR®, but is expected to include a combination of
 - ENERGY STAR® certified connected heat pump
 - ENERGY STAR® certified heat pump water heater
 - Electric cooktop and oven
 - EV charging capabilities
- HVAC Grading – an assessment performed on the home's HVAC system, in accordance with the Air Conditioning Contractors of America (ACCA) Standard 310, to ensure it has been properly installed. The Company wants to ensure that each system is commissioned and sized accordingly which will lead to increased durability and comfort for homeowners.

¹¹ ENERGY STAR® Awards Archive. ENERGY STAR®. [ENERGY STAR Awards Archive | ENERGY STAR.](#)

¹² 2022 ENERGY STAR® Certified New Homes & Apartments Market Share by State. ENERGY STAR®. https://www.energystar.gov/newhomes/energy_star_certified_new_homes_market_share.

3.4.2. TARGET MARKET

The program will continue its focus on builder, developer, and rater program participants to ensure strong participation in the ENERGY STAR® New Homes Program. Homebuilders, developers, and other primary decision makers are eligible to receive program incentives.

3.4.3. MARKET ANALYSIS AND TRENDS

Despite above average interest rates, the new construction market in Maryland is still going strong with consistent total unit housing starts with some variation of construction types.¹³ Builders are constantly looking for new technologies that appeal to customers, such as smart thermostats, which the Company incorporated into the program in previous program cycles, and heat pump water heaters, which are gaining popularity amongst builders.

To address the increased demand for advanced technology, during the 2024-2026 program cycle, Pepco will continue to include its efficient additive measures in the new home models. Customers buying ENERGY STAR®-certified homes may see benefits of other approaches to practicing energy efficiency in their home. The Company will explore marketing demand response offerings to these new homeowners as all electric new construction opens opportunity for summer and winter demand response.

3.4.4. ELIGIBLE MEASURES/SERVICES

The following residential new construction home types that meet ENERGY STAR® Version 3.1¹⁴ guidelines are eligible for the Residential New Construction Program:

- Single Family ENERGY STAR® Version 3.1/3.2
- Townhome/Duplex ENERGY STAR® Version 3.1/3.2
- Two on two condo ENERGY STAR® Version 3.1/3.2
- Multifamily Low-rise unit ENERGY STAR® Version 3.1/3.2
- Any Tier Above + ENERGY STAR® Smart Thermostat
- Any Tier Above + HVAC GRADING
- Any Tier Above + ENERGY STAR® NEXTGEN

Participating builders will also be eligible for incentives for the installation of:

¹³ New Housing Units Authorized for Construction. The Maryland State Data Center. The Maryland Department of Planning. <https://planning.maryland.gov/MSDC/Pages/newhh/newhh.aspx>.

¹⁴ As the 2021 IECC has been adopted in Maryland and enforcement will begin during the 2024-2026 program cycle, the program will transition to ENERGY STAR® Version 3.2.

- Air Source Heat Pumps
- Ground Source Heat Pumps
- Central Air Conditioners
- Heat Pump Water Heaters

3.4.5. CUSTOMER INCENTIVES

See Attachment 2 (Measures and Incentives) for a list of program incentives.

3.4.6. MARKETING

Pepco's Residential New Construction Program continues to help drive market demand for ENERGY STAR®-certified new homes within the Company's service territory. The program's marketing strategy for consumers focuses on increasing potential homebuyer awareness, education, and demand for ENERGY STAR®-certified homes and driving sales to existing and potential home builder partners and their communities. The marketing strategy for potential home builders focuses on program education, incentives, and business benefits.

Marketing tactics will shift to consist of digital tactics only, based on the increased usage of mobile and smartphone technology. This shift will focus in on the target audience with messaging accessible to them on-demand and expanded during the peak program seasons. The marketing strategy will continue to focus on increasing awareness, educating the consumer, and stimulating market demand for ENERGY STAR®-certified homes. Marketing tactics will be specifically focused on reaching the customer when they are actively searching for new homes.

Education, support, and builder retention are necessary to continue to help drive sales of ENERGY STAR®-certified new homes in the Pepco service territory. The account management team will focus on sustaining relationships with builders. Marketing materials will be developed and provided to support the builder partners.

The two primary new home-buying seasons are targeted for maximized marketing efforts: April through June and September through October. A lesser marketing presence will be maintained during the off-peak months to keep the program top-of-mind. Two periods are targeted for builder engagement: January through March and July through September, when builders are less busy and have time for engagement.

For home buyers, the primary messaging will continue to educate the market regarding the fact that ENERGY STAR®-certified new homes are built to be at least 15% more energy efficient than standard new homes. Secondary messaging will highlight the energy-efficiency and comfort benefits and align with the EPA's messaging and initiatives. A call to action will drive consumers to Pepco's ENERGY STAR® for New Homes Program

web site for program information and a list of home builder partners and their communities.

For the builders, the primary messaging will focus on the financial incentives for ENERGY STAR®-certified new homes. Secondary messaging will highlight the benefits and value of becoming a partner or continuing their partnership with Pepco's New Construction Program. Participating builders will be able to distinguish themselves as leaders in energy-efficient construction and environmental stewardship, while enhancing customer satisfaction and receiving valuable training, technical support, and resources.

Pepco may deploy the following marketing strategies and tactics in the 2024-2026 program cycle:

- Drive awareness and educate customers during key seasonal pushes, and maintain a year-round presence
- Educate and support outreach to homebuilders through promotional materials
- Continue hosting an annual builder recognition event to acknowledge top-performing builders and raters who continue to drive participation of ENERGY STAR® certified new homes
- Leverage utility-owned channels to build general awareness such as bill inserts and organic social media posts

3.4.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

3.4.8. GOAL SCENARIO MODIFICATIONS

The outline of the program contained in the preceding sub-sections describes the overall delivery strategy as expected for the 2023 and Middle Scenarios. That plan will also reflect the approach of the Maximum Scenario, with the following modifications.

As the program is not intended to drive more construction in Maryland, the focus is on making the homes being planned and built to be more efficient than they would be if built to the current building code. This Scenario utilizes higher incentives and additional builder and rater trainings to push builders to higher efficiencies and higher certification tiers such as ENERGY STAR® Next Gen.

Achieving the goals laid out in the Maximum Scenario for this program will require significant flexibility and investment in outreach and marketing, as offerings will be shaped to maximize market participation. Incentive levels in this scenario are likely to vary significantly over time as implementation teams respond to market feedback and quickly adapt to continue to expand savings.

3.5. EFFICIENCY FOR AFFORDABLE HOUSING PROGRAM

3.5.1. PROGRAM OVERVIEW

The Efficiency for Affordable Housing (EAH) Program is a new program being proposed in Pepco's 2024-2026 cycle plan. Stakeholders, including the Office of People's Counsel (OPC), have made recommendations that EmPOWER should do much more to lower the inequity in energy burdens across the State.¹⁵ Historically, EmPOWER spending has disproportionately benefited customers who are above the limited income threshold. Thus, developing equitable program designs and reducing energy burdens for the Company's low- and moderate-income customers is one of the key focal points in Pepco's next cycle portfolio.

The Company plans to introduce the EAH Program, which is an extension of an already highly successful Delmarva Power and Light Program, to its Pepco service territory. Delmarva Power's EAH Program, originally funded by the Exelon merger settlement, serves multifamily buildings with energy efficiency retrofits. One of the drivers of success for this program is the Company's coordination with the Maryland Department of Housing and Community Development's (DHCD) Multifamily Energy Efficiency and Housing Affordability Program (MEEHA). Multifamily properties who are Delmarva Power customers were able to leverage sources of funding from both entities, enabling projects to maximize all available funding and realize more savings through deeper and more comprehensive retrofits than if the participant had engaged either entity only.

Property owners and property managers of multifamily buildings in limited-income or rent-controlled areas will be able to realize additional support by leveraging incentives from the two existing programs to make all the necessary energy efficiency improvements to their tenant spaces. The program is structured to require no or low costs to residents and building owners to best serve this vulnerable population. With the success of the merger-funded program and the fact that service to multifamily buildings has become a focus area of stakeholders for EmPOWER support, the Company is proposing to extend this program to both Pepco and Delmarva Power service territories utilizing EmPOWER funding. For this upcoming cycle, the EAH Program will continue close coordination with MEEHA. Pepco will direct that any eligible project is first referred to MEEHA prior to the Company developing a scope of work.

Given both utility and DHCD EmPOWER funding will go towards serving these low-income multifamily properties, the Company will coordinate with DHCD, as the primary agency for low-income affordable housing, and the Evaluation Work Group to ensure proper evaluation of savings. Pepco will ensure the EAH Program incentives for low-income multifamily properties are not higher than DHCD's and will structure the projects to leverage DHCD's programs.

¹⁵ OPC Recommendations for 2024-2026 EmPOWER Plans. Office of People's Counsel. May 31, 2023. Page 2.

Pepco affirms that the EAH Program is in no way a competitor to any efforts of DHCD and is intended only to complement and supplement the existing MEEHA Program that serves low-income customers. Additionally, Pepco's EAH Program can fill in the gaps in the market by expanding the eligibility to serve moderate-income customers that are not typically the focus of DHCD's programming to ensure energy efficiency is brought to all income levels.

Lastly, it is intended that the Company will only claim savings for measures that are directly funded by the EAH Program, while DHCD may realize all coordinated project savings towards DHCD's low-income savings goals. This intent will be reviewed with the EAG during implementation to ensure agreement on claimed savings.

3.5.2. TARGET MARKET

This program will target multifamily buildings in low- and moderate-income or rent-controlled areas. Where possible, this program will coordinate projects with DHCD. Where DHCD cannot serve a particular project, the EAH Program may serve buildings utilizing only EAH funding. This may be due to a limitation from the DHCD program on technical or cost-effectiveness feasibility or from a customer eligibility barrier where EAH has flexibility to serve the moderate-income population as well.

3.5.3. MARKET ANALYSIS AND TRENDS

The multifamily building sector is a focal point for service by EmPOWER programs both in the eyes of EmPOWER stakeholders and the EmPOWER utilities. Success of the Delmarva Power program during the 2021-2023 cycle¹⁶ makes the case that utility programs can supplement DHCD funding to drive deeper energy savings and deliver more projects in this sector by utilizing additional outreach and incentives.

3.5.4. ELIGIBLE MEASURES / SERVICES

See Attachment 2 (Measures and Incentives) for a list of program measures and incentives.

The EAH Program will focus on prescriptive-type in-unit and common area measures for multifamily buildings to provide quantifiable claimed energy savings. The program will coordinate with DHCD to agree on reasonable scopes for both EAH and DHCD MEEHA funding on each coordinated project. This coordination has worked well in the existing Delmarva Power program.

¹⁶ 2021-2023 cycle to date, the DPL EAH Program achieved 2,207 MWh of energy savings incentivizing measures such as refrigerators, heat pump water heaters, and other HVAC equipment. Maillog No. 301350: Delmarva Power & Light Company. EmPOWER Maryland Report YTD Q3 and Q4 2022 Energy Efficiency and Conservation (EE&C) and Demand Response (DR) Programs. Case No. 9648.

3.5.5. CUSTOMER INCENTIVES

See Attachment 2 (Measures and Incentives) for a list of program incentives.

3.5.6. MARKETING

This program will be marketed similarly to the Home Retrofit Program and in coordination with DHCD. The majority of retrofit work occurs during periods of peak seasonal discomfort in the summer and winter months and when customers experience high energy bills, though multifamily buildings can be marketed year-round. Advertising for this program will ramp up during those periods, typically between mid-January through March, mid-May through July, and again in October through November. These strategic time periods will allow contractors to reach customers when they are actively searching for ways to reduce their energy costs and increase home comfort. The following marketing strategies may be employed:

- Deploy marketing during key seasonal periods with a greater budget share to the peak temperature months
- Engage customers and building owners throughout their program journey
- Educate and support participating contractors with materials such as program overview brochures to help attract additional building participants
- Leverage utility-owned channels to build general awareness such as bill inserts and organic social media posts

3.5.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

3.5.8. GOAL SCENARIO MODIFICATIONS

The outline of the program contained in the preceding sub-sections describes the overall delivery strategy as expected for the 2023 and Middle Scenarios. That plan will also reflect the approach of the Maximum Scenario, with the following modifications.

The Company believes there is a significant market for this program to drive participation among low-and moderate-income communities and rent-controlled multifamily buildings. As incentives are already designed to provide low or no cost projects to customers and building owners, incentives may be raised slightly, but outreach and marketing by the program and through participating contractors will drive additional projects. Additional education to customers regarding the health, safety, and comfort benefits of deeper retrofits can also drive more measures per project resulting in deeper energy savings overall.

3.6. BEHAVIORAL PROGRAM

3.6.1. PROGRAM OVERVIEW

The Behavioral Program will continue to leverage advanced metering infrastructure (AMI) data and advanced modeling techniques to generate Home Energy Reports (HERs) that provide customers with personalized usage comparisons, tips, and program recommendations based on the customer load profile and housing characteristics. These custom home energy reports will be sent out to customers several times throughout the year and provide information to help a customer understand their home's energy use and find smart ways to make their home and their behaviors more efficient. Additionally, each report will compare the customer's monthly and annual usage to those of similar homes in their area. The home comparison relates to a customer's current electricity use to approximately 100 nearby, occupied, Pepco homes. These homes are comparable to the customer in size, heating type, and general geographic location, but are not necessarily the homes in a customer's neighborhood.

HERs will be multi-channel, driving the bulk of savings with mailed reports, as well as email and web presentment to customers. Further comparisons and data presentments are made based off load shape, historical usage, information provided by the customer in their online portal, and other criteria. These data sources are all used to target actionable, personalized tips and programmatic recommendations to customers based on their unique profile.

Home Energy Reports are designed to reach as much of the customer base as possible. Renters, owners, single family, and individually metered multifamily homes can all benefit from the personalized information in the reports. The Behavioral program attempts to balance energy efficiency messaging with the needs of Pepco's customers to ensure everyone receives the most relevant information. For example, to address their specific needs, low- and moderate-income customers can be sent tailored messaging in HERs that focuses on no- and low-cost tips, leaving out the more expensive tips. Their HER can also include information about income-qualified programs available through Pepco or DHCD.

In the coming cycle, the Company plans to add the following feature improvements:

- For customers choosing new rate offerings, Time of Use rate insights in online bill comparison tools and peak usage summaries allow customers to see information about the different rates available to them and prompt them to enroll in the best rate for them. All customers are currently eligible to receive alerts notifying them of potentially high bills. The program is planning to expand by increasing customer enrollments through marketing and auto-enrolling HER treatment customers.
- Over the course of the upcoming EmPOWER cycle, the Home Energy Reports will incorporate a fresh look and feel, using new behavioral science levers, design, and technological improvements. For example, the new Home Energy Report will offer variations based on customer attributes, such as Low Income, EV Owners, or TOU

Customers. Personalized Video Home Energy Reports are a new channel through which actionable and personalized insights may be delivered to customers. Learnings from disaggregation pilots and Behavioral tools will be used to enhance digital engagement and raise awareness of other EmPOWER programs in the 2024-2026 program cycle.

- The Deep Energy Efficiency Program Promotional Pilot (DEEPPP) has demonstrated success of using campaign messaging to drive further participation in other EmPOWER programs such as QHEC and Home Performance, and results will be used to inform future messaging in the 2024-2026 cycle.

Evaluation, measurement and verification for the program is part of the overall design. The customer groups described earlier are broken into test and control populations, which provide a robust basis for estimated savings. These savings are calculated by comparing the groups of customers that receive home energy reports and other behavioral messaging with the control groups, which do not receive behavioral messaging. Thus, while it is not statistically appropriate to determine what the impact on an individual customer is, populations can be compared with a high degree of accuracy given the size of the control groups. This methodology has been evaluated numerous times across the country, including Maryland, and is broadly accepted in the EM&V community.

3.6.2. TARGET MARKET

While all residential customers will have access to the online tools as part of the user interface update, the primary energy efficiency component will continue to be delivered to the current approximately 350,000 recipients of the paper and email home energy reports. On at least an annual basis, a refresh will occur, identifying new customers eligible to receive home energy reports. In addition, all residential customers have the ability to enroll in proactive alerts about energy usage, including high usage alerts and interval data summaries.

3.6.3. MARKET ANALYSIS AND TRENDS

The Behavioral Program has been successful over past cycles, having continued and improved engagement with customers as the program has evolved. The Company will look to explore targeted engagement to low-income customers, including referral to low-income specific programs they may be eligible for through DHCD.

3.6.4. ELIGIBLE MEASURES / SERVICES

The Behavioral Program is offering energy insights over print mail, email, and widgets hosted on the web and mobile app.

3.6.5. CUSTOMER INCENTIVES

There are no additional incentives provided through the Behavioral Program.

3.6.6. MARKETING

The Behavioral Program uses Home Energy Reports and other behavioral digital communications to promote Energy Efficiency programs at Pepco (Quick Home Energy Check-ups, Home Performance, Appliance Rebates, etc.).

3.6.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

3.6.7. GOAL SCENARIO MODIFICATIONS

The above sections document program activities for all three Scenarios.

3.7. DHCD COORDINATED MARKETING

3.7.1. PROGRAM OVERVIEW

Recognizing the need to provide as much support to low-income customers as possible, the EmPOWER utilities have more frequently coordinated marketing efforts to expand the reach of both utility and DHCD programs to low-income customers. To emphasize the importance of these coordinated marketing efforts, the Company has called out the distinct budget for this effort in its EmPOWER plans. This budget reflects a commitment to coordination with DHCD and increases the accountability of the Company to follow through on these efforts.

The EmPOWER utilities and DHCD have increased their coordination efforts in recent years including:

- Utilities send client referrals from call center and other utility programs that identify client need (QHEC, Home Performance) to DHCD
- Utilities provide lead lists of limited income customers with high energy use and reconnected service
- Utilities provide DHCD collateral in their limited income relevant outreach efforts
- DHCD attends utility outreach events where possible
- DHCD provides training to utility contractors on how to identify eligible clients and appropriately communicate available services
- DHCD provides client lists, design, and language for utility sponsored special campaigns, such as no-cost smart thermostats
- Joint content creation for limited income targeted campaigns through the utilities' behavioral programs

This joint marketing effort is in addition to coordinated implementation of programs that target low-income customers, such as the proposed EAH Program, to ensure uniform messaging and offerings to this customer group.

3.7.2. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

Budgets are included in Attachment 1 (ES Tables). No utility savings will be associated with this effort.

3.7.3. GOAL SCENARIO MODIFICATIONS

This budget is consistent across all Scenarios.

4. COMMERCIAL AND INDUSTRIAL PORTFOLIO

4.1. PORTFOLIO OVERVIEW

Pepco's Commercial and Industrial (C&I) portfolio has seen increased success in each program cycle and is highlighted in the 2021-2023 program cycle for not only achieving targets, but also remaining cost-efficient. However, given the changes in the EmPOWER programs for the upcoming program cycle, C&I programs are expected to increase savings significantly to reach statutory energy savings targets or exceed those targets in the higher Scenarios. The C&I portfolio is expected to account for over 60% of the total energy savings, which is a shift from the current cycle where the split between the Residential and C&I portfolios were closer to 50-50. For the 2024-2026 program cycle, the Company is offering the following programs:

- Efficient Business Solutions
 - Prescriptive
 - Custom
 - Retrocommissioning
 - Virtual Commissioning
- Small Business
- Energy Efficient Communities
- Commercial Midstream
- Combined Heat and Power (CHP)
- Commercial Customer Engagement Portal
- Commercial Building Electrification

Due to changes in the upcoming cycle such as loss of general service lamps, increased savings targets, and fewer cost-effective savings that can be claimed, C&I programs need to significantly grow in savings and participation from previous cycles. Informed by the Maryland GHG Abatement Study, there is significant opportunity in the non-residential

sector, especially with large commercial equipment. The level of opportunity identified through the Study is far higher for some high impact measures compared to historical reporting. The Company believes that reaching the levels of adoption identified in the Study is unrealistic, though there is room for growth to drive the market which comes at a significant cost.

The large commercial equipment identified for growth in the Study are not measures that customers typically commit to quickly. Rather, these are large projects with significant lead times, as they require significant capital investment from customers and potential interruptions to business operations. The Company believes significant incentive increases are necessary to induce customer adoption and that even with incentive increases, there will be a lag in the increase in savings as customers respond to those incentives in the market. The Company has forecasted a growth of 15% to 50% in savings across the proposed Scenarios compared to the 2021-2023 plans, with much of that growth targeted at the Efficient Business Solutions Program, where large equipment is offered, and in the Small Business Program.

Similar to the residential sector, the C&I programs described below include aggressive savings increases that may require flexibility if market adoption differs from forecasts.

4.2. EFFICIENT BUSINESS SOLUTIONS

4.2.1. PROGRAM OVERVIEW

The Efficient Business Solutions (EBS) Program offers a streamlined path for all medium and large business customers (greater than 100 kW monthly demand) to access the appropriate energy efficiency solutions for their unique business requirements. The EBS Program encompasses three subprograms:

- The Prescriptive offering provides prescriptive rebates for efficient equipment.
- The Custom offering serves large retrofit, new construction, or major renovation projects that cannot be easily captured through prescriptive energy savings measures.
- The Retrocommissioning and Building Tune-up offering includes monitoring-based commissioning, building analytics, and Operations and Maintenance (O&M) training. This offering also includes virtual commissioning (VCx) and virtual strategic energy management (VSEM), both of which leverage AMI data and analytics to inform and improve building performance.

The EBS Program aims to provide simple solutions to encourage C&I customers to purchase and implement efficient technologies that produce verifiable savings. The program offers broad applications in the C&I sector, promoting energy efficient lighting and controls, HVAC equipment, chillers, commercial refrigeration and commercial kitchen measures, variable frequency drives, as well as energy-efficient residential type appliances installed in commercial spaces.

PREScriptive

The Prescriptive offering of EBS offers a simplified method to make efficient choices based on a comprehensive list of energy efficiency measures that do not require complex analysis or participation rules. The offering is an attractive option to business owners that prefer a more precise understanding of the savings and incentives amounts they will be getting back through participating. This is because incentives and claimed savings are based on a combination of predetermined technologies and established calculation methods depending on the pre-existing equipment that is being replaced. The Prescriptive offering covers the most common energy saving measures across most C&I customer needs and end-uses. By publicizing the availability of incentives for prescriptive measures, distributors, contractors, and other service providers have consistent and reliable dollar amounts to fold into their sales discussions and cost proposals with customers. This offering impacts the local market for relevant equipment, leading to further changes in equipment stocking practices, and up-stream end-use development. Participants can choose from a menu of incentives for a wide range of pre-defined end uses, such as lighting, HVAC, variable frequency drives (VFDs), commercial plug load, and kitchen and refrigeration equipment. The Company may add additional measures to the program as appropriate in coordination with the EAG during the program cycle.

CUSTOM

The Custom offering of EBS makes it possible to include more complex and site-specific measures and projects. Custom incentives also offer opportunities for more comprehensive approaches to energy savings that often occur in major renovation and new construction projects. It is available for energy efficiency technologies, or multi-measure projects that do not fall under the Prescriptive offerings, ranging from complex commercial HVAC projects to industrial process improvements. Custom projects must be able to show specific and verifiable energy savings and costs, typically developed by a third-party firm. For complex custom projects, the Custom offering provides incentives and technical assistance to aid in the evaluation and implementation of energy efficiency opportunities.

RETROCOMMISSIONING AND BUILDING TUNE-UP

This offering combines the legacy Retrocommissioning and Building Tune-up sub-programs, the legacy VCx sub-program, and new vSEM offering under VCx into one. The Retrocommissioning offering provides monitoring-based commissioning, HVAC and other building tune-up measures, and O&M training courses. The VCx offering was a stand-

alone offering in the 2021-2023 program cycle and will now be folded into the Retrocommissioning component. It leverages AMI data and active remote monitoring to optimize building performance. The vSEM offering is new and was identified through stakeholder recommendations during the EmPOWER planning process. This offering can continue to serve past VCx participants or serve customers who may not be eligible for VCx, with a capability to serve small and medium businesses and community organizations as well.

4.2.2. TARGET MARKET

The Efficient Business Solutions Program targets the Company's C&I customers including commercial, government, institutional, and industrial customers with electric demand greater than 100 kW. Key sectors include healthcare, schools, office buildings, government, grocery, industrial, multifamily, and hospitality. These customers typically have energy-focused personnel that identify opportunities and are supported through the Company's direct outreach.

Taking a sector-based focus has been very successful, and Pepco will continue to target outreach efforts to these key sectors in the 2024-2026 program cycle. Within these sectors, the Company focuses on decision makers and influencers, including developers, commercial real estate owners, property managers and other key stakeholders.

A critical ingredient to the long-standing success of the EBS Program is its Service Provider community. Pepco maintains a comprehensive network of more than 160 Service Providers who help increase program awareness and deliver energy efficiency solutions to C&I customers. Working directly with Service Providers is an efficient, time-tested method, given that they leverage established relationships and initiate contacts with new customers toward achieving their sales and profit goals. Recruitment and training of qualified Service Providers will continue through a combination of general program training and outreach, application review seminars, trade-specific training, and industry-specific workshops.

4.2.3. MARKET ANALYSIS AND TRENDS

Economic pressures stemming from inflation are leading businesses to identify opportunities to reduce overhead costs. These customers projects typically have longer lead times subject to equipment availability and customer adoption can be unpredictable as many energy efficiency upgrades to businesses need to be planned for well in advance as a part of a business's capital expenditure planning. At the same time, many of these same businesses are experiencing financial constraints, often due to the lingering or permanent impacts of the COVID-19 pandemic (e.g., office buildings), limiting the

capacity for large-scale capital planning. Thus, the EBS Programs provide a uniquely important service in these unprecedented economic times.

The Company will continue to collaborate with industry experts, the other EmPOWER utilities, and key stakeholders to identify opportunities to improve the portfolio and seek consensus modifications throughout the cycle.

4.2.4. ELIGIBLE MEASURES/SERVICES

See Attachment 2 (Measures and Incentives) for a list of measures and incentives.

PRESCRIPTIVE

Prescriptive measures that have been agreed upon by the Maryland utilities; Pepco requests to maintain the ability to modify incentives within the approved “up-to” range.

CUSTOM

For custom projects, the program provides any measures or activities that provide verifiable savings over a baseline (historical usage data for existing buildings; design baseline for new construction projects) incentives to offset the incremental cost of installing efficient equipment. Additionally, a defined multifamily incentive pathway, with a dedicated outreach, will be included within the program.

RETROCOMMISSIONING AND BUILDING TUNE-UP

- Operation and Maintenance training
- Monitoring-based commissioning or continuous commissioning
- HVAC and other building tune-up measures
- Virtual Commissioning
- Virtual Strategic Energy Management

Leveraging investments for low- or no-cost energy savings, the VCx Program provides remote personalized engagement by phone and email to help customers understand their energy usage and provide instructions for self-correction results. Rather than being operational or behavioral prompts, the VCx Program provides systems recommendations, and has built-in mechanisms to ensure persistence of savings. The result is a better utility relationship with customers who are saving money on their energy costs and are more receptive to participate in other utility programs.

4.2.5. CUSTOMER INCENTIVES

See Attachment 2 (Measures and Incentives) for a list of measures and incentives.

PRESCRIPTIVE

Incentive “up-to” amounts are set in coordination with the other utilities, continuing the practice of monitoring and modifying incentives as individual utilities within the approved “up-to” range, including the ability to set incentive levels to \$0 for measures that are no longer cost-effective within market conditions. Incentives typically cover 50 to 75% of the incremental cost of the efficient measure over baseline, however those incentive ranges will be significantly increased in the Middle and Maximum Scenarios.

CUSTOM

For custom projects, incentives are calculated based on the modeled efficiency savings of a project over the baseline (for existing buildings use historical usage data; for new construction use a design baseline).

4.2.6. MARKETING

While a variety of marketing approaches will be employed, experience has proven that the most successful avenue is through one-on-one communication with customers, via account executives in partnership with Service Providers. Service Providers can identify opportunities and gauge customer interest in pursuing an efficiency upgrade, or a comprehensive plan of upgrades. Account executives can leverage Service Providers’ existing long-term relationships with customers and their knowledge of on-site needs and analysis of customer data (energy use, demand, sector analysis, etc.). Service Providers such as equipment vendors, installation contractors, consulting engineers, and energy service companies are key actors in promoting, identifying, and delivering services to customers. Account executives conduct dual sales calls, open houses, internal and external program training, and new product and service demonstrations with Service Providers.

To support the account executives, marketing efforts will focus on continuously refreshing and developing marketing collateral, resources, and web site content, as well as promoting the program for all sectors through tactics such the ones listed below. Additionally, the Company will look to incorporate lead generation tactics as a more integrated approach to facilitate communications between customers and account executives.

- Advertising: Continue a multi-channel advertising campaign (print and digital) to raise awareness for all C&I programs (including EBS) and generate online leads

where possible. The advertising campaign will continue to lay the groundwork for building awareness with target audiences who have not yet participated in the programs.

- Social Media: Continue to provide content and advertising on channels that may include Facebook, Twitter, and LinkedIn to increase program awareness through these quickly growing channels.
- Collateral Update: Continue to update and refresh the robust portfolio of customer spotlights, brochures, fact sheets, forms, and collateral materials that highlight program features and the benefits of program participation for the specific sectors.
- Email Marketing: Continue to deploy targeted and segmented email campaigns using the Company's Eloqua platform to raise customer awareness and generate participation.
- Online Marketing/Web site: The Pepco EBS web site will continue to showcase customer testimonials and program information. Marketing emails and digital tactics will drive traffic to the site with an emphasis on how to participate in the programs. Content marketing will feature existing and new Customer Spotlights.
- Service Provider Outreach: Pepco will keep Service Providers and customers updated and informed on program changes, successes, and opportunities through regular communications, trainings, and newsletters. The quarterly service provider newsletter has proven to be of great value to providers, as evidenced by a strong open rate and readership. Service Providers will be educated about program changes, key successes, and events through this regular vehicle.
- Events: Events will be held throughout the year to raise awareness and encourage greater program participation. The event strategy will focus on sponsorships, networking, partnerships, speaking opportunities, and event attendance.

4.2.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

4.2.8. GOAL SCENARIO MODIFICATIONS

The outline of the program contained in the preceding sub-sections describes the overall delivery strategy as expected for the 2023 and Middle Scenarios. That plan will also reflect the approach of the Maximum Scenario, with the following modifications.

Informed by the Potential Study, a core area of savings opportunity in the higher scenarios came from the C&I sector. In order to drive these savings, substantial incentive increases

as well as marketing, outreach, and the availability of additional technical services are necessary to drive the market. Examples of increased incentives include:

- Prescriptive
 - HVAC incentive increases up to 75% of unit purchase price
 - VFD and other equipment incentives up to 100% of purchase price
 - Retrofit Lighting incentive increases between 50% and 100%
- Custom
 - Incentive increases up to 500% on HVAC and other targeted measures
 - Adding a design support component to maximize energy and GHG savings per project
 - Targeted outreach and incentive structures for:
 - Alternative heating sources
 - Fuel cells
 - Geothermal projects
 - Energy Storage
- Retrocommissioning and Building Tune-Up
 - Up to 50% increase in tune-up incentives
 - Covering up to 100% of building operator training classes
 - Covering up to 100% of audits and benchmarking

Achieving the goals laid out in the Maximum Scenario for this program will require significant flexibility and investment in outreach and marketing, as offerings will be shaped to maximize market participation. Incentive levels in this scenario are likely to vary significantly over time as implementation teams respond to market feedback and quickly adapt to continue to expand savings.

4.3. SMALL BUSINESS PROGRAM

4.3.1. PROGRAM OVERVIEW

The Small Business Program aims to help small businesses save energy and money. The program offers C&I customers using 100 kW demand or less:

- A comprehensive energy assessment
- Increased incentives over the existing buildings offerings
- Direct installation of some measures
- Streamlined approach for this specific customer segment, which is often harder to reach than larger commercial customers with dedicated facilities staff, and easier access to liquid capital to make major energy efficiency investments
- The ability to leverage the small business energy advance, a no interest on-bill financing option, to cover remaining project costs

In general, small business customers require additional energy efficiency education in comparison to larger customers. They do not have the same resources as large customers such as a facility engineer or energy manager. It is critical to have a well-trained contractor network that can clearly explain the program and energy efficiency upgrades. Service Providers are the face of the Small Business Program for customers and act as a trusted energy advisor. In previous program cycles, efforts to improve the overall efficacy of the Small Business Program included development of an online application portal for customers and Service Providers to submit and track project applications, new outreach initiatives to engage market segments with historically low participation, and regular updates to energy savings measure categories to adapt to changes in the marketplace and customer preferences.

In the 2024-2026 program cycle, the Company plans to build on these program improvements to continue to improve cost-effectiveness while also providing invaluable support to local businesses as they look to cut energy costs and support sustainability goals. With the eligibility cap returned to 100 kW, the Company will need additional marketing and outreach efforts to continue reaching this expanded customer base.

4.3.2. TARGET MARKET

The Small Business Program is targeted at commercial customers with equal to or less than 100 kW monthly peak demand.

4.3.3. MARKET ANALYSIS AND TRENDS

Small Business Program customers generally require additional education and program assistance than larger businesses that often have an energy management or sustainability function. The Small Business Program provides energy and bill savings with minimal impact on the Company's balance sheet while also relieving the pressure of these energy decisions to allow them to focus on their day-to-day business operations. Pepco will:

- Continue to evaluate measures needed by this customer class to make sure they are getting the most out of the program
- Continue to evaluate the design and may include new measures as a direct install component
- Explore innovations in technologies seeking to generate energy savings in small and medium buildings

4.3.4. ELIGIBLE MEASURES/SERVICES

Eligible measures for the Small Business Program include:

- Comprehensive Energy Audit, required for all Small Business projects

- Lighting and Lighting Controls
- HVAC
- Variable Frequency Drives (VFDs)
- Commercial Kitchen equipment
- Residential appliances in commercial spaces
- Smart Blinds
- Connected Business Technologies (Internet of Things, or IoT devices) including Smart Thermostats and other Wi-fi enabled controls

The Small Business Program will also continue to look for opportunities to include monitoring-based commissioning, building tune-up, and O&M training courses based on customer need.

4.3.5. CUSTOMER INCENTIVES

See Attachment 2 (Measures and Incentives) for a list of measures and incentives.

Customers receive an audit at no additional cost, which includes some direct install measures. Customers are eligible to receive incentive established on a per measure basis, with a targeted cap of 150% of EBS prescriptive/existing buildings, custom, and building tune-up incentive levels, not to exceed the total project cost. Additionally, the Small Business Program may offer limited time offers up to 50% above the current incentive amount for up to 12 consecutive weeks to enhance participation in certain sectors or measures. Direct project costs not covered by incentives can be covered using the Small Business Energy Advance (SBEA), a no cost on-bill financing mechanism. The SBEA is open to all small business customers so long as funds remain for the program.

4.3.6. MARKETING

Like the EBS Program, the Small Business Program will leverage a combination of direct outreach to businesses as well as building brand awareness through digital advertising, social media awareness efforts, and print media. Service Providers also provide a critical outreach component, as they are responsible for identifying customers and projects to deliver on their Memorandums of Understanding with the Company. Additionally, customers will receive targeted recommendations for improvements through the Commercial Customer Engagement Portal, detailed later in this Plan.

4.3.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

4.3.8. GOAL SCENARIO MODIFICATIONS

The outline of the program contained in the preceding sub-sections describes the overall delivery strategy as expected for the 2023 and Middle Scenarios. That plan will also reflect the approach of the Maximum Scenario, with the following modifications.

Informed by the Potential Study, a core area of savings opportunity in the higher scenarios came from the C&I sector. In order to drive this savings, significant incentive increases are necessary to drive the market as well as marketing and outreach to connect with these customers. Incentive amounts will target a cap of 150% of EBS incentives, estimated to be double the incentives in the 2023 and Middle Scenarios.

Achieving the goals laid out in the Maximum Scenario for this program will require significant flexibility and investment in outreach and marketing, as offerings will be shaped to maximize market participation. Incentive levels in this scenario are likely to vary significantly over time as implementation teams respond to market feedback and quickly adapt to continue to expand savings.

4.4. ENERGY EFFICIENT COMMUNITIES PROGRAM

4.4.1. PROGRAM OVERVIEW

Pepco will continue to engage local, municipal, and county government customers in a partnership to support and expedite energy efficiency efforts through the Energy Efficient Communities Program (EECP). In the 2024-2026 program cycle, the EECP also will continue to include community-focused non-profit and faith-based organizations, which often play a critical role in community development. The program offers complimentary energy efficiency audits.

Through EECP, Pepco will provide energy efficiency incentive funding, technical expertise, outreach and educational programs to local municipality and government, faith-based and non-profit customers. The Company will work with customers to develop a comprehensive energy reduction strategy. Long-term engagement and multiple energy conservation measures (ECMs) will be key components of the proposed EECP.

4.4.2. TARGET MARKET

- County, municipal, city, and town government agencies
- Non-profit and faith-based organizations that provide community outreach and support, especially in resource-constrained areas

4.4.3. MARKET ANALYSIS AND TRENDS

In the 2015-2017 program cycle, a Maryland stakeholder petitioned the Commission to require Pepco to make unique allowances for their participation in the program, citing

unique challenges in the budgeting process that disadvantages local government entities over the private sector in securing funds made available on a first come, first serve basis. In evaluating this concern and recognizing that other smaller entities without the same level of resources available to make such petitions may also have similar concerns, Pepco and its sister Company Delmarva Power have successfully run this program specifically targeted at this population to meet the unique planning and budgeting needs of small government entities.

Along with municipal customers, non-profit and faith-based organizations can participate in this program, enabling these critical community resources to reduce their energy bill and redirect those resources towards their mission-driven work. To potentially enhance this program, the Company may explore an offering for financing to these customers through a PIDD effort in the future.

4.4.4. ELIGIBLE MEASURES/SERVICES

Eligible Measures include:

- Audit and select direct install measures
- Building Operator Training
- Energy Coaching and Energy Planning Facilitation
- Modified Custom Program approach
- Energy Efficiency Kits
 - No-cost, value-added measures offered to municipal customers to further capture savings

4.4.5. CUSTOMER INCENTIVES

See Attachment 2 (Measures and Incentives) for a list of measures and incentives.

Incentives will be designed to enhance the EBS Prescriptive, Building Tune-up, and Custom incentive levels, consistent with those applicable to the Small Business Program. Kits as described above will also be offered at no additional cost as an additional quick savings opportunity, to provide further assistance to these important community-focused entities.

4.4.6. MARKETING

Marketing for this program will primarily be based on direct outreach to the relevant officials in the targeted jurisdictions. Pepco will also work with the local government officials to help them promote the achievements each locality delivers in collaboration with the EmPOWER Maryland program. Additionally, the program will collaborate with other community organizations to identify energy savings opportunities in their facilities.

4.4.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

4.4.8. GOAL SCENARIO MODIFICATIONS

The outline of the program contained in the preceding sub-sections describes the overall delivery strategy as expected for the 2023 and Middle Scenarios. That plan will also reflect the approach of the Maximum Scenario, with the following modifications:

Consistent with the other C&I programs, incentives for the Maximum Scenario will target a 50% increase over the 2023 and Middle Scenarios with up to 100% increases for targeted measures.

Achieving the goals laid out in the Maximum Scenario for this program will require significant flexibility and investment in outreach and marketing, as offerings will be shaped to maximize market participation. Incentive levels in this scenario are likely to vary significantly over time as implementation teams respond to market feedback and quickly adapt to continue to expand savings.

4.5. COMMERCIAL MIDSTREAM

4.5.1. PROGRAM OVERVIEW

In the 2018-2020 program cycle, Pepco launched its successful midstream program for LED lamps, Business Instant Discounts (BID), which now also provides midstream incentives for HVAC equipment, kitchen appliances, Smart Strips, and some additional LED fixtures and luminaires. Historically, the program focused on lighting measures that were appropriate for C&I applications where customers either could not access the right measure type through the Prescriptive component of the EBS Program, or for customers who typically purchase directly from distributors rather than going through retail stores. The program is especially attractive to maintenance staff and contractors of larger facilities who make purchases from manufacturers and distributors in order to service their buildings and facilities. Given the success and customer demand, Pepco expanded the measures offered to include indoor and outdoor fixtures and luminaires in 2021 and low-temp freezers in 2023.

In the 2024-2026 program cycle, the Company will continue to include HVAC equipment, kitchen appliances, smart strips, and some LED fixtures and luminaires in its Commercial Midstream Program. Additionally, the Company will continue to communicate with customers, distributors, and manufacturers serving the territory to appropriately calibrate the program's incentive levels and measure mix.

4.5.2. TARGET MARKET

The Commercial Midstream Program works across multiple sales and distribution channels that serve business customers. These channels include Maintenance, Repair and Operations (MRO) distributors, local electrical distributors, and online retailers. A typical end-use customer in the Midstream Program can install energy-efficient equipment without hiring an outside contractor and prefers a quick transaction. These customers generally have established business relationships with local distributors and order materials directly, further streamlining the process.

Overall, the program target market includes businesses and institutions that have their own maintenance staff that purchase equipment directly from suppliers as well as contractors who purchase equipment for end use customers and have influence over their purchasing decisions. This includes but is not limited to:

- Commercial and multifamily property management companies
- Public and private schools
- Colleges and universities
- Government agencies
- Manufacturers and warehouses
- Businesses with multiple locations within the jurisdiction
- Individual businesses who do significant maintenance

4.5.3. MARKET ANALYSIS AND TRENDS

The midstream approach allows the Company to reach a different set of large customers with lower per-measure incentives. Although the program primarily focuses on lighting, the HVAC portion is gaining momentum and interest from distributors and customers as another option to purchase energy efficient equipment.

An effective Midstream Program serves to capture savings from maintenance-related energy-efficiency projects which are less likely to participate in the Prescriptive Program. In particular, the Company seeks to grow the HVAC portion of the Commercial Midstream Program, seeing its potential due to the expedited processing time. The Commercial Midstream Program can cause a slight shift in savings downstream, away from the Prescriptive Program; however, most of the claimed savings will be from opportunities that have eluded the Company in years past.

4.5.4. ELIGIBLE MEASURES/SERVICES

The program currently offers replacement lamps (except screw-in GSLs as of April 2023, reflective of EISA), limited indoor and outdoor lighting fixtures, and HVAC units under 20

tons. As the program has shown success in all metrics, the Company would like to expand the measures as necessary to achieve its goals in the following areas:

- Lighting replacement kits
- Lighting Controls
- Geothermal HVAC Units
- Heat Pump Water Heater
- Smart Thermostats and Controls
- Variable Frequency Drives
- HVAC units over 20 tons
- Commercial Food Equipment
- Laboratory Grade Equipment

4.5.5. CUSTOMER INCENTIVES

See Attachment 2 (Measures and Incentives) for a list of measures and incentives.

Incentive levels for measures are aimed at covering the incremental cost difference between that of the standard equipment and the equivalent efficient equipment being purchased. Given the wide variance in costs between products, minimum customer contribution levels are in effect for most measures. Proper incentive levels are designed to bridge the cost gap between efficient and standard products and are determined by ongoing market analysis and consultation with local distributors. Incentive levels will be monitored and adjusted throughout the year to protect from over-incentivizing measures.

4.5.6. MARKETING

Like residential midstream programs, marketing will primarily involve direct outreach with the distributor community, providing education and tools that the distributors would need to market and sell the more efficient equipment to their end-use customers. The program will continue to provide in-store point-of-purchase advertisements to lighting and HVAC distributors. Marketing will leverage various media channels to drive program awareness to the web site so visitors can view current discount offerings and provide information on how to place orders with participating distributors.

4.5.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

4.5.8. GOAL SCENARIO MODIFICATIONS

The outline of the program contained in the preceding sub-sections describes the overall delivery strategy as expected for the 2023 and Middle Scenarios.

The Maximum Scenario will feature the elements of the previous Scenarios, but with potential increases to incentives and outreach to drive further participation. This program has already been forecasted to make up lost lighting savings and may not have significant growth opportunity.

4.6. COMBINED HEAT AND POWER (CHP) PROGRAM

4.6.1. PROGRAM OVERVIEW

The Company has a few CHP projects slated for the 2024-2026 program cycle. These projects will provide a reduction in electrical load and capacity required on the electrical grid. While CHP continues to be an efficient generation source, resiliency has also been a strong driver for the CHP projects. In support of efficiency and resiliency in public and private facilities, Pepco continues to endorse the CHP program for the 2024-2026 cycle.

The CHP Program requires project pre-approval. Pepco and its implementation contractor first verify project eligibility followed by a second more detailed project evaluation of technical and economic feasibility. Pepco then issues a Pre-Approval Letter and a Minimum Requirements Document to the customer. The Pre-Approval Letter provides the total incentives the Company will offer for the CHP project as designed in the application. The Minimum Requirements Document provides details on the proposed project and program requirements.

During the 2024-2026 program cycle, the Company will put a focus on encouraging customers to review CHP options that reduce net GHG emissions while reducing electrical system demand. Targeted CHP projects can provide greater load flexibility and reduce peak demands in both summer and winter seasons.

4.6.2. TARGET MARKET

- **CHP:** Large facilities with year-round thermal demand, such as hospitals, manufacturing facilities, larger hotels, condominium and apartment buildings, refrigerated warehouses and supermarkets, large government facilities, college and university residence halls.
- **Micro-CHP:** Medium-sized apartment and condominium buildings, smaller hotels and other facilities with consistent year-round thermal load.
- **Renewable Natural Gas (RNG) or Waste Methane:** Facilities that produce methane as a byproduct of production or process can use this gas to power a CHP system and convert high Global Warming Potential (GWP) methane to lower impact gases.

- Green Hydrogen: Facilities with consistent thermal loads that have access to green (produced from renewable sources) hydrogen.

4.6.3. MARKET ANALYSIS AND TRENDS

While the primary driver for CHP is economics, there are additional motivating factors including increased energy efficiency, reliability, resiliency, and decreased emissions. Hospitals, for instance, have shown a strong interest in the program for the reliability and resiliency benefits during emergencies and power outages. Similarly, medical and scientific research facilities have leveraged the technology for similar reliability and efficiency gain. Facilities with consistent thermal loads which use fossil fuels to produce heat can see a net reduction in GHG emissions when using properly designed CHP systems.

As program experience has grown, Pepco has realized the long lead times that are necessary for CHP installations. The installation timelines for CHP projects submitting applications to the program is one and a half years to three years. The smaller, more packaged CHP systems typically have quicker installations, but there are other factors, like permitting requirements, equipment lead-time, design changes, and infrastructure upgrades that impact the installation timeline.

4.6.4. ELIGIBLE MEASURES/SERVICES

All qualifying projects must not export electricity to the grid and must be designed to supply less than 100% of the customer's annual load. Eligible projects can be driven by a variety of technologies including reciprocating engines, turbines, and microturbines and can operate using a variety of fuel types (e.g., natural gas, hydrogen, waste methane). All CHP projects must operate at a minimum of 65% annual system efficiency (higher heating value). In this cycle, the CHP Program will also consider fuel cells and other similar technologies, provided the system passes cost-effectiveness considerations or meets the 65% system efficiency rating. Incentives for these systems will also be determined by the kW rating of the system installed and paid out using the CHP incentive structure.

The CHP Program will further promote adoption of highly efficient cogeneration by providing financial incentives for generation units and coupled ancillary equipment. Systems with qualifying ancillary equipment may be eligible for custom incentives in addition to the standard CHP capacity-based incentives; however, the additional measures will not be included in the calculation of the CHP base incentives, which will be determined by the kW rating of the CHP system itself.

4.6.5. CUSTOMER INCENTIVES

Pepco will modify the incentives provided to offset increased upfront capital costs for smaller systems, which prohibits customers from moving forward. This modified incentive structure is:

- Distribution of payments:
 - 1st Payment (Design Incentive) – 10% incentive at project approval, subsequent to signed commitment letter and acceptance of minimum requirements document. Along with the following documentation: written confirmation verifying adequate natural gas capacity and pressures at site (or executed agreement to upgrade gas service capacity as needed), schedule and copies of required permits and certificates, and signed Interconnection Service Agreement.
 - 2nd Payment (Commissioning Incentive) – 30% incentive at installation and commissioning.
 - 3rd Payment (Production Incentive) – 60% incentive after receiving 12 contiguous months of actual kWh generation received within 24 months of project installation, subsequent to review of metering data. Payment will be prorated, based on kWh actual generation and will be capped at 60% of total incentive. For example, if the actual kWh generation is 80% of estimated, the Production Incentive will be decreased by 20%. Payment will be paid based on kWh actual generation/kWh generation proposed. Payment will be capped at 60% of total incentive.
- Capped at \$2,500,000 per project and limited to one project per customer/site every three years

4.6.6. MARKETING

Given the scale and specific requirements of CHP systems, marketing of the CHP Program primarily relies on participation from lead generation tactics, industry events, direct outreach to the contracting and engineering communities, and outreach to engineering and maintenance professionals within target industries. Due to the nature that CHP projects are more comprehensive, the Company can deploy outreach and nurturing campaigns to raise program awareness by driving customers to the web site. Furthermore, site visitors will be educated about the program, eligibility, and the program participation process. Customers will have the option to request additional consultation from the Company's account executives to assist with any inquiries and submitting program applications.

4.6.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

4.6.8. GOAL SCENARIO MODIFICATIONS

The program as described above is consistent for all Scenarios.

4.7. COMMERCIAL CUSTOMER ENGAGEMENT PORTAL

4.7.1. PROGRAM OVERVIEW

The Commercial Customer Engagement Portal (CEP) is designed to drive behavioral savings and increase customer engagement with Pepco business accounts. The program consists of an evaluation of how insights generated from AMI data can increase customer satisfaction and participation in standard Demand Side Management (DSM) programs, while also influencing those customers to reduce their overall energy consumption through operational and behavioral change. The program is designed to maximize the potential value and economic benefits of AMI on the customer's side of the meter, by communicating detailed consumption data in a new way to customers. The program will also measure how increased customer engagement can influence business customers to participate more often in standard EmPOWER Maryland programs, as customers will receive program recommendations based on their individual usage data.

The program is a free, opt-in offering that enables business customers to gain greater insights and control over their electricity use, improve their energy efficiency, and reduce their utility bills through the CEP. Participating customers can use the self-service web platform at any time, and as frequently as they wish.

To evaluate savings for the program, Pepco will engage with a third-party evaluator who will implement a matched-control experimental design by creating a matched non-participant control group; the comparison group will be constructed by matching pre-program energy usage profiles for accounts that have opted in to use the engagement portal with non-participant accounts with the most similar usage profile determined by regression analysis.

4.7.2 TARGET MARKET

Any business customer within the Pepco service territory will be eligible to access the CEP. Customers will register for the CEP for the first time with their account number and zip code.

Even though all C&I customers will have access to the tool, the Company will not consider energy reduction from customers in the rapid transit or telecom rate classes. This will be done to not sway the savings analysis results toward an outlier. This approach was taken with ComEd, the Company's sister utility, and its third-party evaluator.

4.7.3 MARKET ANALYSIS AND TRENDS

Third-party studies have shown that when business customers are engaged with a customer engagement portal, they reduce their annual energy use by 1.5% – 2.76% through behavioral change.¹⁷

Having not claimed energy savings during initial program years starting in the 2021-2023 program cycle, Pepco believes that the program will produce savings during the 2024-2026 program cycle with growth in the number of participants. This is in part due to the current opt-in nature of the program, through which total participants are assumed to increase every year using marketing and awareness tactics. The Company may explore an opt-out delivery of the program to test engagement in the market.

The CEP plans to leverage several behavioral strategies critical in promoting behavioral change in end-users including the following:

- **Loss aversion:** People tend to focus on losses more than on gains. Energy information should be framed as preventing a loss, rather than incurring a gain.
- **Reference dependent preferences:** A consumer's energy use should be framed relative to an effective reference point. As an example, if people use above the average amount of energy, use the average business as the benchmark, but if they use less than the average amount, use the best performing businesses as the benchmark.
- **Feedback:** People tend to be able to change their behavior more when provided with specific, timely feedback.
- **Social norms:** People care about levels of performance relative to others, rather than in absolute levels. Promote energy efficient behavior as both common and valued by the customer's peers.
- **Commitment:** Ask customers to make a commitment to perform an energy efficient improvement at some point in the future, even if they are not executing on the task today.

4.7.4. ELIGIBLE MEASURES/SERVICES

The CEP will be offered as a microsite on the Company's web site. It will serve as a place where C&I customers can view energy usage insights and personalized content for their business, providing a better understanding of their energy usage, context on how they compare to their peers, and actionable recommendations to drive efficiency.

The CEP will integrate with EmPOWER Maryland programs, and programs will be promoted to customers based upon relevancy. This will ensure that businesses are seeing first the most impactful programs and should lead to an uplift in standard DSM participation, in addition to verified behavioral savings.

¹⁷ Navigant Consulting, "Small Commercial and Industrial Behavioral (EnergyCheck/Pulse) Pilot Program PY7 Evaluation Report" [ComEd Pulse PY7 Evaluation Report 2016-02-22 Final.pdf \(ilsag.info\)](#).

The CEP will be highly flexible and configured to offer different experiences for different customer segments, customer types, and rate classes. As an example, a simple experience might be offered to small and medium businesses, while a more robust experience can be provided to large commercial and industrial customers.

The CEP solution will also include a utility-facing Advisor Portal, which will serve as a place where utility personnel, such as the Pepco Large Commercial Services team, can access business customer energy insights, recommendations, survey information, and generate custom reports. Utility users can use the Advisor Portal to better segment and target the population, understand individual usage patterns, and identify opportunities for improvement.

4.7.5. CUSTOMER INCENTIVES

The Company does not intend to offer any incremental incentives for participating in the program.

4.7.6. MARKETING

The CEP will be accessible to customers through a landing page with a link on the Pepco web site. Since customers proactively opt-in to the program, Pepco will use several tactics to promote awareness of the program. These include:

- Promotion of the CEP on the Company web site.
- Promotion of the CEP within existing customer newsletters and email campaigns.
- Promotion of the CEP via social media channels.
- The creation of a promotion video, to be distributed where appropriate.
- Integration with Pepco's customer-facing teams (such as the Large Commercial Services team). These teams will have access to custom report-building capabilities, and customer meetings will serve as an opportunity to promote the ability for the customer to self-service energy data and insights.

4.7.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

4.7.8. GOAL SCENARIO MODIFICATIONS

This program is consistent in all Scenarios.

4.8. COMMERCIAL BUILDING ELECTRIFICATION

This offering is only included in the Middle and Maximum Scenarios.

4.8.1. PROGRAM OVERVIEW

The Commercial Building Electrification Offering introduces electrification measures into the existing nonresidential energy efficiency offerings. As commercial electrification is largely in its nascent stages, the Company will focus initially on small business opportunities in space and water heating as well as commercial kitchen equipment. The Company will also explore opportunities in larger equipment, though this segment of the market will take time to move towards electrification.

While this offering is called out separately, the measures within this offering will be offered through the existing delivery channels of other programs. These measures will primarily move through the Small Business and Commercial Midstream Programs, though the Company will look to incorporate possible measures into other C&I programs.

4.8.2. TARGET MARKET

While all C&I customers are eligible for the program, the incentives will primarily be targeted at small and medium businesses. Measures for larger buildings may be developed during implementation as the Company can gauge the needs of these customers.

4.8.3. MARKET ANALYSIS AND TRENDS

The Company expects early success in C&I electrification to come from small businesses. As residential electrification offerings expand, this will spill into the small commercial equipment as many market actors overlap in this space.

The Company expects that larger C&I equipment electrification will take time to develop in the market and will utilize this cycle to better understand this customer group and their needs, in order to best develop a targeted offering in the future. Incentives for this segment will be considered in this cycle if there is an immediate opportunity to serve this customer group.

4.8.4. ELIGIBLE MEASURES/SERVICES

See Attachment 2 (Measure and Incentive lists) for a list of measures and incentives.

Electrification measures will target small and medium businesses for space and water heating as well as commercial kitchen equipment. Larger electrification equipment will be explored, but participation in this category is expected to be minimal in this cycle. The Company will evaluate the needs and opportunity in the large commercial sector for future measure and program development.

4.8.5. CUSTOMER INCENTIVES

See Attachment 2 (Measure and Incentive lists) for a list of measures and incentives.

4.8.6. MARKETING

This program will utilize the marketing efforts of the existing energy efficiency programs while supplementing that effort with additional outreach and education for the market including trade allies and customers. Electrification benefits need to be fully analyzed and understood by C&I customers to see uptake in the market. Additional trade ally education may also spillover from residential programs in the small commercial market.

4.8.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

4.8.8. GOAL SCENARIO MODIFICATIONS

This offering is only included and is consistent in the Middle and Maximum Scenarios.

5. DEMAND RESPONSE

5.1. PORTFOLIO OVERVIEW

The Residential Direct Load Control (DLC) Program continues to modify its program operations and evolve with changing technologies. Customers continue to enroll in the Small Commercial DLC Program via Pepco's active recruitment efforts. Demand Response is a program area with renewed focus due to new operational strategies and potential capability to lessen load impacts from electrification. In the 2024-2026 EmPOWER cycle, the Company is looking to explore potential new opportunities in demand response including winter demand response programming and more granular control of devices. Further, the Company looks to work with the EAG to revisit how demand response is evaluated and identify how some of these activities can achieve higher total benefits both economically and in load impact reduction in coordination with energy efficiency and electrification programs. The Company has budgeted to explore these activities with several unknowns as to market acceptance, load impacts, and evaluation impacts.

The Company proposes to increase customer participation options in the Residential and Small Commercial programs for the 2024-2026 program cycle.

5.2. RESIDENTIAL DIRECT LOAD CONTROL

5.2.1. PROGRAM OVERVIEW

The principal objective of the DLC Program is to reduce energy demand for residential customers during peak energy-use periods in the control season. The primary program

which enables customer participation is the EnergyWise Rewards (EWR) Program. Through this program, customers receive a new Company-supplied EWR device installed in their home. These devices can be Wi-Fi thermostats or load control switches (LCS), which are installed outside on the customer's air conditioner compressor, and can be remotely controlled during periods of high demand or emergency events. Additionally, customers who elect to receive a thermostat can achieve energy savings year-round by setting their temperature schedule in their programmable or Smart Thermostat.

The Company will be implementing new LCSs which communicate through the AMI network starting in 2023. The devices receive a command signal and reduce load on the electric system by cycling for short periods. To operate the load curtailment events, the Company uses various communication protocols based on the device type. For instance, Smart Thermostats receive event signals via Wi-Fi, while newer LCSs communicate via the Company's AMI network. These networks enable two-way communication which allow immediate confirmation of a curtailment event among other data. The Company will also begin replacing legacy devices, replacing all one-way communicating devices to enhance program quality control. These Smart Thermostats and LCSs allow for immediate validation of receipt of equipment signals and use during a control event. Further quality control and performance tests are possible by using the Company's AMI data to verify customer load control event participation from all DLC devices.

The program anticipates active participation will remain high due to low attrition rates within the program. For the 2024-2026 EmPOWER program cycle, the Company continues to propose three program strategies:

Maintain Customer Awareness: The Company will employ communication tactics to maintain the program's demand reduction capabilities such as:

- Send informational letters to successive residents in homes in which a program-participating device is already installed, informing them that their home is already participating in the program
- Send letters to new customers applying for Pepco service for the first time, inviting them to participate in the program
- Send letters to current program participants inviting them to upgrade to a higher cycling level, thus increasing their demand contributions
- Co-market EWR and Pepco's Dynamic Pricing Program, Peak Energy Savings Credit (PESC) during late spring and summer months
- Co-market EWR to customers who purchased an ENERGY STAR® certified Smart Thermostat through one of the Company's energy efficiency programs

Customer Choice: Installing a customer's choice of devices allows them to choose the model and functionality that works for their household. The Company's thermostat options now offer greater flexibility in areas such as display capabilities, customer options, system security, and more.

BYOD Capability: The Company now partners with multiple third-party Smart Thermostat suppliers that offer demand response capabilities. Customers have several options through EmPOWER Maryland to be encouraged to purchase an ENERGY STAR® certified Smart Thermostat including the Appliance Rebate and HVAC Programs, an add-on to QHEC, or through the New Construction Program. Cross-promotion of energy efficiency and EWR Programs will holistically offer customers smarter options. BYOD allows a broad range of thermostats to participate in the program, giving customers the flexibility to select the device of their choice and allow customers to better manage their energy use year-round. Enrollment options for the program can be sent to customers directly from the thermostat manufacturers.

5.2.2. TARGET MARKET

This program is available to all individually metered residential customers with compatible central air conditioning or heat pump systems. Post-build-out program maintenance communications will target customers newly moving into the Pepco service territory, new residents moving into homes previously participating in the program, and current program participants.

5.2.3. MARKET ANALYSIS AND TRENDS

The Company, acknowledging the realities around increased electrification as well as responding to recommendations made by EmPOWER MD Stakeholders, such as OPC, will seek out opportunities to enhance and expand demand response offerings, including program enhancements to provide customers with options which expand the control season and participating devices during the 2024-2026 cycle.

The Company will explore operational changes to demand response offerings such as winter demand response events or impacts of different event calling strategies. For instance, the Company may explore a Flexible Load Management (FLM) component to its existing BYOD offering, whereby the cycling of customer thermostats is designed to make the customer impact subtler, with events more frequent but shorter in duration. Additionally, the Company may explore additional technologies for demand response such as grid connected water heating devices. The Company will work with the EAG and EM&V community to accurately evaluate the impact and activities of the demand response programs as well as attempt to value the GHG reduction benefits of these activities.

5.2.4. ELIGIBLE MEASURES/SERVICES

The Company recommends three DLC device options be available through the program:
1) Wi-Fi programmable thermostat; 2) AMI-communication LCS; 3) BYOD.

5.2.1. CUSTOMER INCENTIVES

See Attachment 2 (measures and incentives) for program measure and incentives.

The Company seeks to continue the existing incentive structure for its Residential EWR program operations. The program may include higher or lower incentives for new operational opportunities like winter DR or new demand response technologies.

5.2.2. MARKETING

In the 2024-2026 program cycle, the program will be marketed minimally, as described above, to maintain demand reduction capabilities by program participants. Further marketing will be targeted to customers with their own Smart Thermostats (Nest, ecobee, Honeywell, Emerson) to enroll in the EWR BYOD options. These communications will be sent directly from the manufacturers to the customer's Smart Thermostat for program options.

Marketing tactics for the demand capacity maintenance will primarily consist of mailed letters. Additional marketing tactics for BYOD will include cross-reference web sites, social media and joint messaging with the Company's other energy efficiency programs, as appropriate. In the summer months, EWR and PESC will be marketed together to all customers to minimize customer confusion about the two similar programs and encourage participation in both energy-reducing opportunities. Marketing of the joint EWR and PESC will include direct mail and mass-market advertising tactics.

5.2.3. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

5.2.4. GOAL SCENARIO MODIFICATIONS

The program design is the same in all Scenarios

5.3. SMALL COMMERCIAL DIRECT LOAD CONTROL

5.3.1. PROGRAM OVERVIEW

The Small Commercial Direct Load Control Program aims to provide commercial accounts an opportunity to contribute to load reductions during peak usage periods for

compensation. The program will also help customers reduce electricity consumption and electric costs when load reductions are achieved.

The program uses the same devices and control systems employed in the Residential Direct Load Control Program.

The Company will expand the BYOD offering to commercial customers in the 2024-2026 program cycle. This change should increase the number of program participants and offer lower-cost recruitment strategies. Commercial customers already using an eligible Smart Thermostat will receive program information and an enrollment opportunity in one of three ways:

- Outreach from the Company following a Smart Thermostat rebate being issued through the small business program for eligible customers
- An email from the device manufacturer informing the customer about the program
- A notice directly on their device
- A notice from the device manufacturer through the device app

5.3.2. TARGET MARKET

This program targets small commercial customers with compatible individual central air conditioning or heat pump systems with peak demand of less than 25 kW. Pepco anticipates that businesses that do not have high customer traffic during mid-summer weekday afternoons are most likely to participate, (i.e., warehouses, churches, libraries, apartment building common areas, etc.).

5.3.3. MARKET ANALYSIS AND TRENDS

No code changes are expected.

5.3.4. ELIGIBLE MEASURES/SERVICES

The Company recommends three DLC device options be available through the program: 1) Wi-Fi programmable thermostat; 2) AMI-communicating LCS; 3) BYOD, which will be a new device option for this program.

5.3.5. CUSTOMER INCENTIVES

The Company proposes that the incentives remain the same: one cycling strategy at the 50% level, for which customers receive an Installation Credit of \$80 per device after installation, and an Annual Reward Credit of \$80 for each year they participate. The Annual Reward Credits will be prorated from June through October customer bills. BYOD customers will receive the \$80 Annual Reward Credits prorated from June through October customer bills.

5.3.6. MARKETING

Customers will be recruited primarily through direct contact with business owners and property managers. Marketing efforts will consist of face-to-face presentations, trade advertising, direct mail, and BYOD recruitment through manufacturer direct communications.

5.3.7. EXPECTED SAVINGS, COSTS, AND COST-EFFECTIVENESS

See Attachment 1 (Executive Summary Tables).

5.3.8. GOAL SCENARIO MODIFICATIONS

The program is consistent in all Scenarios.

6. PROGRAM INVESTIGATION, DESIGN, AND DEVELOPMENT (PIDD)

6.1. SUMMER ENERGY CHALLENGE

6.1.1. PILOT OVERVIEW

The Summer Energy Challenge pilot will use AMI data, building modeling, and energy consumption tools to analyze customers' specific energy usages. A customized energy consumption target is created for customers using their weather normalized consumption history, representing what they should expect to consume, accounting for their home's characteristics (size, insulation, efficiency), actual weather, and "slightly efficient" behavior. An incentive will be offered to customers who reach this goal reduction as motivation to increase their energy efficiency on a regular basis. This pilot leverages the latest information in meter consumption and data analytics to provide customers personalized and specialized plans.

Over the summer months, selected Pepco households will be invited to participate in the Summer Energy Challenge. During which, participants will have the opportunity to reduce their energy costs and receive a reward if they are able to meet their personalized savings target. Pepco will largely recruit customers who come from census tracts with a disproportionate number of low-moderate income residents for the pilot. The Company may also explore the possibility of expanding to winter months.

During the challenge, Pepco will check-in with participants, showing them their energy use over time to help them reach their energy-saving targets. If selected to participate, a customer will receive:

- Customized energy reduction targets unique to your home and energy use.

- A progress tracker to show the customer's energy consumption halfway through the challenge.
- Energy savings tips to help the customer choose the best ways for them to save energy and money during the summer.

6.1.2. GOALS OF THE PILOT

The purpose of the pilot is to determine how best to leverage AMI data for the benefit of providing insight and information in order to best guide our customers to make more energy saving choices as well as the potential to incorporate this as an offering with the existing Behavioral offerings. The monthly goals for the customers will test how awareness of monthly energy usage through AMI data will help them make conscious energy savings behaviors from their own expected baseline consumption.

6.1.3. EVALUATION

Pepco anticipates recruiting a statically significant number of participants and will leverage weather normalized AMI data to be able to accurately assess participant energy savings and pilot impacts. This evaluation would utilize methodologies already in place in programs and be comparable to existing programs.

6.1.4. IMPLEMENTATION COSTS

See Section 6.5 (Table 6) for proposed PIDD budgets.

6.1.5. DATA REPORTING

Similar to previous PIDD pilots, the Company will share regular updates on the pilot during the Semi-Annual reporting process. Results and preliminary evaluation of the pilot will be produced during implementation for public review through the EmPOWER case docket.

6.1.6. CLOSEOUT & TRANSITION

This pilot is being developed as a potential addition to existing Behavioral program offerings. The Company expects to close the pilot in Q4 of 2026 or when funds are exhausted, at which time the pilot would be ended or included in a full behavioral offering in the next cycle. Pilot participants would be included in the pilot until the pilot end date with the potential to be transitioned into the full program if continued.

6.2. ENERGY ENGINEERS

6.2.1. PILOT OVERVIEW

In this pilot Pepco will employ in-house Energy Engineers (EE team) to assist customers that have identified issues with their energy consumption and have reached out to the Company for assistance. One such example of past performance is identifying that a customer that left two windows cracked for ventilation purposes was creating a draft directly across from the thermostat. The result of this action was that the thermostat incorrectly assessed the overall household temperature as lower than it was and would run the cooling system more frequently. The Energy Engineers team was able to remedy the situation and alleviate the customer's concerns. The pilot will leverage the Energy Engineers team to assess the savings associated with such interactions and determine whether there is an appropriate methodology to count the savings towards the EmpOWER goal.

6.2.2. GOALS OF THE PILOT

The purpose of this pilot is to determine the feasibility of capturing and accurately estimating the avoided energy reductions resulting from the day-to-day activities of the EE team in providing customer service.

6.2.3. EVALUATION

The Company believes utilizing a comparison group evaluation methodology will allow for a comprehensive robust analysis of the savings. The Company and its evaluator will examine the differences in consumption from those who have experienced an Energy Engineer visit from those of a similar non-participant cohort. Other evaluation methodologies such as pre- and post-billing analysis may also be explored.

6.2.4. IMPLEMENTATION COSTS

See Section 6.5 (Table 6) for proposed PIDD budgets.

6.2.5. DATA REPORTING

The Energy Engineering team will provide customer account and address information to the evaluation contractor. The evaluator will determine any energy savings in both the short and long term since the Energy Engineer interaction. The evaluator will try to determine if the customer is low to moderate income (LMI) based on multiple data points. The Energy Engineer team will also perform a general year-end review of energy savings outcomes to determine if changes to customer approaches can improve their energy savings in subsequent years of the pilot.

6.2.6. CLOSEOUT & TRANSITION

If, at the end of the three-year pilot, it is determined we are getting good energy savings data from these evaluations, a decision will be made on continuing to measure energy savings and integrating more fully towards the EmPOWER energy savings goals.

6.3. CONTROLLED ENVIRONMENT AGRICULTURE (CEA) MARKET ANALYSIS

6.3.1. PILOT OVERVIEW

As EmPOWER continues to evolve, the Company has recognized that continued growth in the number and type of Controlled Environment Agriculture (CEA) facilities may offer an opportunity for energy savings which necessitates a tailored energy efficiency offering where current programs may not be designed to suit their specific needs. CEA is a form of agriculture that takes place within enclosed growing structures in an aim to optimize growing conditions for plants and crops. CEA facilities in Maryland include crops grown in greenhouse facilities using supplemental lighting and indoor facilities that rely on 100% artificial light.

Across CEA facility types there remains a segment of the CEA market that continues to utilize inefficient High-Pressure Sodium (HPS) and Metal Halide (MH) fixtures that would significantly benefit from upgrades to high efficiency LED lighting. While lighting can account for a significant portion of CEA facility energy use – HVAC and dehumidification needs are also energy intensive processes in this segment. Even CEA facilities that may already be using LEDs can benefit from improvements to these non-lighting systems as well as improvements to building envelopes and introduction or better utilization of facility/growing controls. An updated and complete overview of the CEA market will be an important part of understanding how best to advance energy efficiency with this growing customer segment.

Pending approval of the pilot, it is expected that the market analysis study will be completed by Q2 of 2025. After completion of the market analysis, the Company may develop CEA market specific offerings at a pilot scale to test these measures in the market and design solutions that could be fully scaled in the core EmPOWER portfolio.

6.3.2. GOALS OF THE PILOT

The goals of this pilot include:

- Identify existing CEA facilities and evaluate the usage of using HPS/MH fixtures
- Assess market penetration of high-efficiency CEA equipment (lighting & non-lighting)
- Report on findings of initial market assessment:
 - Viable CEA measures

- Identify necessary incentives and incentive structures
- Quantify market potential
- Program design opportunities for a CEA focused program
- Assess future market growth
- Develop and test incentives and measures in the CEA market for initial uptake and plan transition to core EmPOWER Programs

6.3.3. EVALUATION

Due to the nature of a market assessment study, the Company does not intend to evaluate the initial market analysis study.

If market potential is identified through the study, the Company will develop measure calculations with CEA market specific inputs based on measure data collected during the study. These calculations and any measures developed for launch will be passed onto the Company's third-party evaluator for review.

The Company may then continue to test measures and incentives in the market and have preliminary evaluations completed if deemed appropriate after the study's conclusion.

6.3.4. IMPLEMENTATION COSTS

See Section 6.5 (Table 6) for proposed PIDD budgets.

6.3.5. DATA REPORTING

Similar to the Company's previous PIDD pilots, the Company intends to share regular updates on the pilot during the Semi-Annual reporting process. In addition, Pepco will deliver a comprehensive final report detailing the entire pilot including key findings along with the Q3Q4 2026 Semi-Annual Report. All findings will be public and available through the EmPOWER case docket.

6.3.6. CLOSEOUT & TRANSITION

At the conclusion of the pilot, the Company will publish the findings of the market analysis along with any subsequent measure development, analysis, or evaluation. The pilot will be complete at the end of the 2024-2026 EmPOWER cycle, at which time the Company will either develop a CEA specific offering or measures within the core EmPOWER programs or sunset the program.

6.4. UNIDENTIFIED PIDD

Pepco has identified program concepts to test, but it also recognizes that unforeseen or currently underdeveloped ideas will present additional opportunities for experimentation and improvement later in the cycle. To this end, the Company has earmarked funds for consideration of new programs during the 2024-2026 program cycle, to be fully prepared for EmPOWER Maryland post 2023. Some of the topics that Pepco may continue to research include:

- CEA Financing – The Company is reviewing the recently published Finance Work Group Report and will coordinate with the EmPOWER utilities and the Work group to assess the future of the CEA Financing Pilot or alternative financing solutions.
- EE Communities Energy Advance – The Company is exploring an opportunity to include a financing pilot to align with the EE Communities program to expand participation.

6.5. PIDD BUDGETS

The table below summarizes the proposed PIDD budgets for all pilot opportunities. Further detail on budgets can be found in Attachment 1 (ES Tables).

Table 6: 2024-2026 Proposed PIDD Budgets

	2024	2025	2026	Cycle Total
Summer Energy Challenge	\$1,292,600	\$1,157,300	\$1,157,300	\$3,607,200
Energy Engineers	\$117,700	\$111,600	\$111,600	\$340,900
Controlled Environment Agriculture	\$276,600	\$194,600	\$194,600	\$665,800
PIDD Unidentified	\$1,777,800	\$2,017,600	\$2,017,600	\$5,813,000
Total PIDD Budget	\$3,464,700	\$3,481,100	\$3,481,100	\$10,426,900

7. PROGRAMS INCLUDED IN EMPOWER ENERGY AND GHG IMPACTS BUT WITH NO COSTS RECOVERED VIA EMPOWER

7.1. CONSERVATION VOLTAGE REDUCTION

The Commission Order No. 84569¹⁸, dated December 22, 2011, directed the Company to implement a Conservation Voltage Reduction (CVR) Program in its service territory. The purpose of the program is to reduce electric energy use and electric peak demand in a cost-effective manner to support the EmPOWER Maryland energy reduction goals. All

¹⁸ Order No. 84569 (December 22, 2011). In the Matter of Potomac Electric Power Company's Energy Efficiency, Conservation and Demand Response Programs Pursuant to the EmPOWER Maryland Energy Efficiency Act of 2008.

costs associated with the program will be separately tracked and, per the order, recovery will be sought in subsequent base electric distribution rate cases.

7.2. HIGH EFFICIENCY TRANSFORMERS

The High Efficiency Transformer Program is an existing program that has been reporting savings since January 1, 2012. Commission Order No. 84955¹⁹, dated June 5, 2012, ordered Pepco to report energy savings from higher efficiency transformers compared to industry minimum efficiency levels.

Transformer manufacturers and utilities alike recognize the high potential to save energy by installing low loss transformers for new construction. In addition, as older transformers are removed due to damage or failure, they will be replaced with these higher efficiency units, as well. Even higher energy savings can be realized by replacing old high loss transformers with new low loss designs. The Company will continue to use these new higher efficiency transformers in new construction and replacement of existing transformers.

7.3. DYNAMIC PRICING – PEAK ENERGY SAVINGS CREDIT

The Peak Energy Savings Credit Program is Pepco's residential dynamic pricing program enabled by the deployment of AMI and the installation of smart meters in the service territory.

Dynamic Pricing Program rebates are paid to eligible customers who, during Peak Savings Days, reduce their demand below the level of their typical usage; the customer's typical usage level on similar days and hours is computed as the Customer Base Line (CBL). Peak Savings Days are typically called when demand is high, when supply constraints occur, or when PJM calls a reliability event.

Under the Dynamic Pricing Program, the distribution service portion of a customer's bill is modified by a credit multiplied by the difference between actual kWh consumption and the CBL level of consumption during each Peak Savings Day designated by the Company. There is no penalty if a customer's usage is above the CBL. All energy use, including the kWh actually consumed during Peak Savings Days, will be priced at the normally applicable distribution and generation rates.

¹⁹ Order No. 84955 (June 5, 2012). In the Matter of Potomac Electric Power Company's Energy Efficiency, Conservation and Demand Response Programs Pursuant to the EmPOWER Maryland Energy Efficiency Act of 2008.

7.4. BENEFICIAL ELECTRIFICATION PROGRAM

The Beneficial Electrification Program, filed through the Company's Multiyear Rate Plan, focuses on the residential space and water heating sectors by offering rebates to offset costs for customers to switch to efficient electric equipment to fully or partially replace existing fossil-fuel based equipment. The program is targeted to residential customers with emphasis on serving low- and moderate-income (LMI) customers in coordination with future Inflation Reduction Act (IRA) rebate programs. The program will utilize a trade ally network to identify residences best suited for electrification projects and complement Pepco's existing EmPOWER energy efficiency programs.

The Beneficial Electrification Program will be operating in conjunction with EmPOWER-funded programs, namely the existing Residential HVAC Program and the Home Performance Program. The Company has designed the Beneficial Electrification Program to supplement Pepco's existing programs with distinct residential space and water heating electrification measures. As electrification measures will overlap with several of the energy-efficiency focused programs described above, this program will integrate electrification rebates within those programs, rather than be a stand-alone offering, thus benefitting from operational efficiencies utilizing existing EmPOWER program infrastructure to operate the program in the market. In the market, this reduces customer and trade ally confusion by having one source of measure incentives which includes both energy efficiency and beneficial electrification space and water heating measures.

This program will focus on heat pump technologies incentivizing both space and water heating heat pumps. All residential customer types are eligible for the program, though incentive offerings may vary for some customer segments, such as LMI customers. This program specifically will utilize the definitions of LMI from the IRA High-Efficiency Electric Home Rebate Act (HEERA) to coordinate incentive levels during the MYP period. The eligibility of specific efficiency classes will be determined during program implementation, with the goal of aligning with the Inflation Reduction Act and other electrification programs offered by utilities throughout the state.

Given the scale of federal funding through the IRA, which the Company expects to begin distribution through the Maryland Energy Association (MEA), and in line with instruction in the CSNA for state bodies to pursue federal funding whenever possible, Pepco believes that close coordination between utility and federal programs is critical to successful market transformation. Therefore, specific details of determining customer eligibility, application streamlining, and other details will be finalized upon guidance and implementation of IRA programs in Maryland. Pepco will also work with local governments to inform and educate customers of any additional incentives that may be available so that customers who are eligible for both utility rebates and IRA rebates will understand the total incentives available to them to maximize these benefits.

8. EMPOWER STAKEHOLDER TECHNICAL CONFERENCE SUBMISSIONS AND RECOMMENDATIONS

The Company has been receiving direct and indirect feedback from EmPOWER stakeholders for over a year through various EmPOWER Work Groups, such as the Future Programming Work Group. While the planning timeline for the 2024-2026 EmPOWER cycle was condensed due to various factors, the Commission Order did mandate “one EmPOWER Utility Planning and Stakeholder Collaboration Meeting conducted before June 1 [of 2023].”²⁰ Commission Staff held this Meeting on May 31st, 2023, in addition to the EmPOWER Stakeholder Technical Conference held on April 28th, 2023. Pursuant to the Order, the Company provides a summary of stakeholder proposals and recommendations along with acknowledgement of those items.

8.1. EMPOWER STAKEHOLDER TECHNICAL CONFERENCE

On April 28, 2023, Maryland PSC Staff hosted a Technical Conference to review new program concepts by various vendors and stakeholders. Six organizations proposed eight program concepts throughout the course of the day. Below are Pepco’s responses to those program concepts and explanation of inclusion or exclusion from Pepco’s 2024-2026 EmPOWER Plan.

- Virtual Strategic Energy Management by Power TakeOff
- GHG Driven Demand Side Management by Power TakeOff
- Electric Vehicle Managed Charging by Itron
- Winter Demand Response by Itron
- Behavioral Demand Response by Meltek
- Ground Source Heat Pump Integration by Maryland Geothermal Association and Dandelion
- Strategic Energy Management by Energy 350
- Shift Model by Efficiency for Everyone

8.1.1. VIRTUAL STRATEGIC ENERGY MANAGEMENT

Proposer: Power TakeOff

Summary: Utilizing the basic components of a Strategic Energy Management program and modifying these elements to work virtually at scale for the market needs of small and medium businesses and public institutions.

Utility Response: Pepco accepts the vSEM suggestion and has incorporated a vSEM offering within the C&I Virtual Commissioning Program.

²⁰ Commission Goal-Setting Order. Paragraph 68.

8.1.2. GHG DRIVEN DEMAND SIDE MANAGEMENT

Proposer: Power TakeOff

Summary: Utilizing AMI data to track and evaluate GHG reductions in order to benchmark “covered buildings” that are required to achieve net direct GHG emissions reduction based on the CSNA.

Utility Response: Since EmPOWER goals are still based on reduction on kWh sales and not GHG reduction, Pepco may revisit this opportunity in the future pending the outcomes of initial GHG reduction calculations in EmPOWER.

8.1.3. ELECTRIC VEHICLE MANAGED CHARGING

Proposer: Itron

Summary: A demand response program for residential EV charging management.

Utility Response: Pepco has not incorporated an EV managed charging offering into the 2024-2026 EmPOWER Plan. Current managed charging programs in the State are non-EmPOWER funded. Pepco will continue to keep transportation-related offerings in existing regulatory channels.

8.1.4. WINTER DEMAND RESPONSE

Proposer: Itron

Summary: The recommendation augments standard summer demand response programs to run winter demand response.

Utility Response: Pepco has included plans to explore winter demand response in the 2024-2026 EmPOWER Plan through existing demand response programs, though the specific methodology will be decided with our chosen implementation contractor.

8.1.5. BEHAVIORAL DEMAND RESPONSE

Proposer: Meltek

Summary: The proposal included a concept that blends behavioral demand response and customer rewards / experience offerings.

Utility Response: Pepco sees merit in considering the use of loyalty and rewards on top of the existing Peak Energy Savings Credit Program to further promote EmPOWER offerings. As this is an augmentation on an existing offering and not a fundamental program design change, Pepco has not made a firm decision and will explore opportunities with the chosen implementation contractor.

8.1.6. GROUND SOURCE HEAT PUMP INTEGRATION

Proposer: Maryland Geothermal Association + Dandelion

Summary: The Ground Source Heat Pump Integration proposal recommended two specific changes to existing EmPOWER programs: a dedicated rebate path for all geothermal systems and an increase in rebates to a flat \$10,000 per home rebate.

Utility Response: Pepco has included increased ground source heat pump incentives in the 2024-2026 EmPOWER Plan. Pepco has not carved out a dedicated path for all geothermal systems but will explore opportunities to streamline the participation process for these systems with our chosen implementation contractor(s).

8.1.7. STRATEGIC ENERGY MANAGEMENT

Proposer: Energy 350

Summary: Proposal for a C&I strategic energy management (SEM) program. Such a program would involve undertaking a holistic and continuous assessment of site energy consumption, implementing energy efficiency projects based on that data, and other related training and process improvement.

Utility Response: Pepco is currently considering virtual SEM because the Company believes the virtual offering is a logical addition to our existing Virtual Commissioning Program, and this proposed SEM effort would be competitive to or would fall under the monitoring-based commissioning we currently offer.

8.1.8. SHIFT MODEL

Proposer: Efficiency for Everyone

Summary: The Shift Model is a program design concept that seeks to increase adoption of high efficiency models for lower income customers through downstream incentives and education (when highly efficient models are available for purchase) as well as upstream collaboration with retailers to bring more inexpensive ENERGY STAR® models to market.

Utility Response: The Shift Model is currently being implemented by Pepco. Pepco will continue to utilize the Shift Model for equipment such as clothes washers in the 2024-2026 EmPOWER cycle.

8.2. EMPOWER UTILITY PLANNING AND STAKEHOLDER COLLABORATION MEETING

On May 31, 2023, the Maryland PSC staff hosted a Utility Planning and Stakeholder Collaboration Meeting for utilities to provide updates on the development of their

EmPOWER plans and for stakeholders to provide comments and recommendations. The Company presented initial plans as available at the time and received stakeholder recommendations and feedback. Pepco has summarized the recommendations gathered from stakeholders that are applicable to electric utilities and provided a response to each below.

OPC Comments:

- Stakeholder Recommendation: Electric utilities shall achieve statutory MWh savings goals using 85% behind-the-meter resources.
 - Company Acknowledgement: As per Maryland PSC Order No. 90456, utilities were directed to develop plans “with a minimum of 80 percent of the goal derived from BTM measures and FTM community resources.” If there were no limitation on FTM resources, the cost of Pepco’s 2023 Scenario could decrease by 16%. Additionally, according to the Order the “Utilities may request a greater percentage of FTM measures, subject to Commission review and approval prior to implementation (paragraph 37). Cognizant of additional cost increases, Pepco has decided to model FTM’s contribution based on the Commission’s Order.
- Stakeholder Recommendation: The electric utilities should prepare plans for the Maximum Achievable GHG reduction scenario in the EmPOWER GHG Abatement Potential Study.
 - Company Acknowledgement: The GHG Abatement Study made assumptions about longer measure lifespan than historic EmPOWER offerings as well as significantly lower measure cost assumptions than the newly recommended EmPOWER EAG incremental cost values. The Study also incorporated an unrealistic ramp up period for new measures, programs, and technologies. In the case of the Loper Adjustments to the GHG Abatement Study, the Maximum Achievable Potential appeared optimized resulting in a cost-effectiveness value of exactly 1.0. The Company’s proposed Maximum Scenario is modeled to reflect a more realistic maximum scenario where incentives are elevated to as high as possible to achieve adoption recognizing that for some customers, even if EmPOWER were to cover 100% or more of costs, some would still choose to not participate. Based on high level analysis, the Maximum Potential would require further budget of approximately 40% above the Maximum Scenario Pepco put forward to attempt to achieve the GHG reductions of the Loper Adjustments
- Stakeholder Recommendation: All retrofit, HVAC and water heating programs should actively encourage fuel-switching and prioritize increasing incentives for heat pumps.
 - Company Acknowledgement: Pepco has modeled building electrification incentives for HVAC and water heating retrofits at higher levels than have been previously offered for heat pumps. Pepco supports providing program

offerings that suit customer needs and varying readiness levels for electrification.

- Stakeholder Recommendation: The utilities should actively promote Inflation Reduction Act benefits available to customers and ensure that any appliance incentives are consistent with both updated U.S. Department of Energy standards, and in the case of specific equipment, IRA standards.
 - Company Acknowledgement: Pepco will actively promote Inflation Reduction Act benefits to customers in addition to utility incentives to realize the benefits of stacking these incentives where possible. As IRA programs are finalized, Pepco intends to align offerings as best as possible to IRA requirements for the reasons recommended. At this time, details around IRA programs have not yet been finalized.
- Stakeholder Recommendation: HPWH should be primarily assigned to the HVAC Program.
 - Company Acknowledgement: Pepco plans to maintain a midstream rebate through the Appliance Rebate Program which integrates already with distributor-based measures in the Residential HVAC Program. Though HPWH rebates will primarily be delivered through contractors and distributors, the Appliance Rebate Program will manage the measure through multiple delivery channels. The Company will also offer this measure through the Home Performance and Residential New Construction Programs. The Company believes that a multi-channeled approach will best serve customer needs for this technology.
- Stakeholder Recommendation: Utilities should employ a single implementer for the Energy Star Retail Products Platform.
 - Company Acknowledgement: The ENERGY STAR® Retail Products Platform as currently designed already supports the Company's objective in achieving greater throughput of efficient products by coordinating and engaging directly with large, national retailers along with Nationwide Marketing Group, which represents smaller retail stores nationally. Furthermore, the Company believes that program administrators should retain the choice to select vendors based upon their own competitive procurement processes.
- Stakeholder Recommendation: The EmPOWER utilities should design for more integration between appliance recycling efforts and customer outreach around appliance rebates, especially for limited income customers who are eligible for no-cost appliance upgrades through DHCD.
 - Company Acknowledgement: Pepco is already doing this integration with its Appliance Rebate Program to communicate availability of the service and even schedule appointments directly through the retailers at the time of sale of new appliances. The Company would be open to DHCD referring low-income customers or including Pepco's recycling offer in their outreach.

- Stakeholder Recommendation: Maryland must dramatically accelerate the installation of heat pumps for water heating and space heating and cooling.
 - Company Acknowledgement: Having not been able to offer fuel-switching rebates through EmPOWER previously, the Company has included electrification incentives in its plan for heat pump technologies in both space and water heating.
- Stakeholder Recommendation: EmPOWER utilities should employ a single statewide implementer for the midstream HVAC programs.
 - Company Acknowledgement: The Company believes that program administrators should retain the choice to select vendors based upon their own competitive procurement processes. The Company strives for consistency where possible around processes and procedures related to the midstream HVAC delivery channel.
- Stakeholder Recommendation: Specific to HVAC, a more streamlined midstream approach including:
 - Expanded contractor engagement that is focused primarily on helping contractors understand, sell, and install heat pump equipment
 - Little to no administrative requirements on contractors, beyond ensuring contractors are licensed and sufficiently qualified
 - Incentive design using an instant rebate process at the point of sale that allows contractors to acquire eligible equipment with little to no incremental cost or administrative burden compared to standard equipment
 - Streamlined administrative/data requirements and rebate processing for distributors
 - Modest distributor incentives that mitigate their real or perceived administrative or stocking costs.
 - Metrics to track ongoing engagement with distributors to ensure their program needs are being met, along with informational or training resources that add value to distributors
 - Direct communication to end-use customers so they understand exactly how they are benefiting from the program and midstream rebates.
 - Company Acknowledgement: Pepco is already implementing many of these recommendations such as expanded contractor engagement, streamlined data requirements, modest distributor incentives, and metrics to track ongoing engagement. Further, the administrative requirements placed on distributors and trade allies must be balanced with the ease of participation against the regulatory and EM&V requirements as per EmPOWER' s evaluation framework. Pepco will continue to make process improvements to the HVAC midstream program while acknowledging the potential impacts on reporting, evaluations, and results.

- Stakeholder Recommendation: Eliminate Central Air Conditioner incentives.
 - Company Acknowledgement: Pepco believes that central air conditioning incentives may be important for customers who do not wish to switch their existing heating system even when educated on the benefits from the program, contractor, or other resources. Though Pepco has included this measure in plans, the Company is open to sunseting it as a standard offering pending the uptake of heat pumps in the market.
- Stakeholder Recommendation: Utilities should develop incentives for non-contractor installed heat pumps (e.g., packaged window heat pumps).
 - Company Acknowledgement: The Company will consider this pathway if determined acceptable by our evaluators and the EAG.
- Stakeholder Recommendation: QHEC should assess homes for electrification readiness as part of standard practice. Home Performance incentive structure and measures should be adjusted to include electrification retrofits.
 - Company Acknowledgement: Pepco is open to using QHEC as a readiness check for electrification and may ask contractors to discuss the possibility of electrification in its marketing collateral. However, the Company sees this primarily as an educational piece, given portions of a readiness check, such as gauging sufficient amperage of the home may be out of the knowledge base of many QHEC providers. Home Performance will be offered with electrification incentives.
- Stakeholder Recommendation: Utilities should not enroll Marylanders they know to be income-eligible in utility home retrofit offerings unless a customer has been referred to DHCD and declined DHCD programs.
 - Company Acknowledgement: The Company will refer low-income customers that are eligible for DHCD programs to DHCD.
- Stakeholder Recommendation: EmPOWER should expand financing options to ensure moderate income customers have easy and affordable access to capital for residential retrofits.
 - Company Acknowledgement: The Company is reviewing the recently published Finance Work Group Report and will continue to participate in that work group on financing options for customers.
- Stakeholder Recommendation: The Residential New Construction Program should:
 - Adopt the latest versions of ENERGY STAR and Zero Energy Ready Homes (ZERH) national voluntary program standards.
 - Eliminate incentives for base ENERGY STAR tier
 - Provide generous incentives for an ‘electrification-ready’ tier: ENERGY STAR v3.2 or ZERH v2 plus ENERGY STAR Next Gen certification

- Provide highest tier and/or incentive adders for all-electric homes and measures
 - Add PHIUS ZERO certification incentive
 - Company Acknowledgement: Pepco will be moving to ENERGY STAR® v3.2 once the code is enforced, anticipated mid-2024 and will be rolling out ENERGY STAR® Next Gen certification.
- Stakeholder Recommendation: The utilities should make greater use of AMI data to segment energy uses and target home energy reports and increase integration of customer engagement between behavior and demand response initiatives.
 - Company Acknowledgement: The Company is supportive of this recommendation and continues to explore opportunities to engage customers through behavioral programs.
- Stakeholder Recommendation: Behavior-based programs should also be used to facilitate and promote electrification efforts, guiding customers into appropriate programs through methods already employed by home energy reports.
 - Company Acknowledgement: The Company is supportive of this recommendation and continues to explore opportunities to engage customers through behavioral programs.
- Stakeholder Recommendation: All utilities should offer a behavior program segment targeting limited income customers.
 - Company Acknowledgement: The Company plans to utilize Home Energy Reports and behavioral tools to address the specific needs and concerns of low- and moderate-income customers. Recipients can be sent tailored messaging in HERs that focuses on no- and low-cost tips, leaving out the tips that cost more to implement. The reports can also include information about income-qualified programs through DHCD.
- Stakeholder Recommendation: For demand response:
 - Establish winter demand response programs and strengthen and expand existing DR programs.
 - Implement a residential grid-interactive water heating program.
 - Ensure that well-designed Time-of-Use (TOU) rates, including EV-charging rates, are available for all customers.
 - Increase participation in event-based residential DR programs.
 - Company Acknowledgement: The Company is exploring options which expand the control season within its existing DLC and BYOD Programs as well as the possibility of control of other connected devices such as grid-interactive water heaters. TOU and EV charging rates are outside of the EmPOWER filing, but Pepco continues to explore these opportunities through the existing regulatory channels and appropriate PSC cases for EV programs. Pepco will seek to develop opportunities in its existing DR programs, such as expansion of BYOD to small businesses.

- Stakeholder Recommendation: DR cost effectiveness is an issue for DR. If the DR program was more localized (based on particular substation demand), could cost effectiveness be improved?
 - Company Acknowledgement: The Company is open to working within the EAG to figure out a way to properly value the full benefits of DR.

9. TABLE OF ATTACHMENTS (2024-2026)

(Provide attachments for each goal scenario as necessary)

- Attachment 1 – EmPOWER MD Summary and Program ES Tables
- Attachment 2 – Residential and C&I Incentive Matrix
- Attachment 3 – Avoided cost and benefit assumptions (e.g., Non-energy benefits, discount rates, line loss factors, etc.).
- Attachment 4 – Residential and C&I Electric EmPOWER MD Charges

Attachment 1 – EmPOWER MD Summary and Program ES Tables

EmPOWER Maryland 2024-2026 Scenario Forecas

	Program Category (EE vs Electrification)	2024 Forecasted Metrics						2025 Forecasted Metrics						2026 Forecasted Metrics						2024-2026 Forecasted Metrics																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
		Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Energy Efficiency and Conservation Programs																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Residential EERC Programs		EE	46,490	10,122	113,769	1.11	12.35	22,295	46,989	10,676	119,417	1.13	12.60	21,896	46,989	10,676	119,417	1.13	12.60	20,314	140,068	31,474	352,542	3.37	37.56	64,588	43,586	10,122	113,769	1.11	12.35	22,295	46,989	10,676	119,417	1.13	12.60	20,314	140,068	31,474	352,542	3.37	37.56	64,588																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Energy Efficient Products		EE	43,586	7,350	97,177	0.66	9.70	18,202	44,055	7,804	102,885	0.68	9.95	18,091	44,055	7,804	102,885	0.68	9.95	16,795	131,898	24,158	302,946	2.02	29.60	53,088	43,586	7,350	97,177	0.66	9.70	18,202	44,055	7,804	102,885	0.68	9.95	18,091	44,055	7,804	102,885	0.68	9.95	16,795	131,898	24,158	302,946	2.02	29.60	53,088																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Appliance Rebates		EE	2,904	2,172	16,332	0.04	2.65	4,772	2,904	2,172	16,332	0.04	2.65	4,772	2,904	2,172	16,332	0.04	2.65	3,372	13,898	8,712	63,587	0.13	1.95	11,417	2,904	2,172	16,332	0.04	2.65	4,772	2,904	2,172	16,332	0.04	2.65	3,372	13,898	8,712	63,587	0.13	1.95	11,417																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Home Retrofit		EE	37,222	22,254	324,331	4.33	68.63	60,694	37,483	43,190	308,204	4.27	68.81	50,114	37,700	43,190	308,205	4.26	68.83	42,755	112,415	62,983	912,890	12.66	204.07	153,663	37,222	22,254	324,331	4.33	68.63	60,694	37,483	43,190	308,204	4.27	68.81	50,114	37,700	43,190	308,205	4.26	68.83	42,755	112,415	62,983	912,890	12.66	204.07	153,663																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Quick Home Energy Check-Up		EE	15,440	12,273	142,541	1.30	15.79	27,972	15,440	12,273	142,541	1.30	15.79	27,972	15,440	12,273	142,541	1.30	15.79	16,335	46,440	32,278	354,984	3.35	36.55	66,750	15,440	12,273	142,541	1.30	15.79	27,972	15,440	12,273	142,541	1.30	15.79	16,335	46,440	32,278	354,984	3.35	36.55	66,750																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Home Performance		EE	3,150	5,451	119,130	1.89	40.49	17,951	3,200	5,890	124,288	1.94	42.62	17,198	3,250	5,741	125,414	1.95	42.96	16,178	6,800	16,862	368,833	5.75	105.53	91,006	3,150	5,451	119,130	1.89	40.49	17,951	3,200	5,890	124,288	1.94	42.62	17,198	3,250	5,741	125,414	1.95	42.96	16,178	6,800	16,862	368,833	5.75	105.53	91,006																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
HVAC Rebates		EE	3,792	1,835	22,237	1.00	10.33	7,617	4,013	1,860	22,672	1.02	10.48	3,545	4,170	1,923	22,895	1.03	10.50	3,867	11,975	5,648	67,203	3.05	31.31	15,029	3,792	1,835	22,237	1.00	10.33	7,617	4,013	1,860	22,672	1.02	10.48	3,545	4,170	1,923	22,895	1.03	10.50	3,867	11,975	5,648	67,203	3.05	31.31	15,029																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
School and Education		EE	14,800	2,695	40,423	0.17	2.56	7,454	14,800	2,695	40,423	0.17	2.56	6,930	14,800	2,695	40,423	0.17	2.56	6,375	44,400	8,085	121,270	0.51	7.78	20,759	14,800	2,695	40,423	0.17	2.56	7,454	14,800	2,695	40,423	0.17	2.56	6,930	14,800	2,695	40,423	0.17	2.56	6,375	44,400	8,085	121,270	0.51	7.78	20,759																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Residential New Construction		EE	919	1,240	35,000	0.34	10.22	4,290	983	1,320	37,100	0.36	10.75	4,208	1,014	1,360	38,440	0.38	11.28	4,112	3,380	3,583	111,619	1.08	32.26	11,616	919	1,240	35,000	0.34	10.22	4,290	983	1,320	37,100	0.36	10.75	4,208	1,014	1,360	38,440	0.38	11.28	4,112	3,380	3,583	111,619	1.08	32.26	11,616																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Efficiency for Affordable Housing		EE	11,614	2,566	26,871	0.53	5.50	5,895	24,862	7,124	76,288	1.49	15.36	14,746	24,862	7,124	76,288	1.49	15.36	13,700	61,338	16,904	181,248	3.51	36.22	34,341	11,614	2,566	26,871	0.53	5.50	5,895	24,862	7,124	76,288	1.49	15.36	14,746	24,862	7,124	76,288	1.49	15.36	13,700	61,338	16,904	181,248	3.51	36.22	34,341																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Behavioral		EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,008	55,008	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,563	350,000	163,993	163,993	9.42	9.42	124,568	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,008	55,008	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,563	350,000	163,993	163,993	9.42	9.42	124,568																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
DHCD Cross Promotion		EE	446,245	88,485	553,946	15.25	106.65	135,177	460,279	95,325	596,064	16.87	116.94	132,971	460,534	95,447	572,282	16.48	114.29	121,444	667,058	279,257	1,722,292	30.04	319.53	389,592	446,245	88,485	553,946	15.25	106.65	135,177	460,279	95,325	596,064	16.87	116.94	132,971	460,534	95,447	572,282	16.48	114.29	121,444	667,058	279,257	1,722,292	30.04	319.53	389,592																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Energy Efficient Products		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EmPOWER Maryland 2024-2026 Scenario Forecast

[illegible]

Table ES-1 Gross Maximum Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																									
Program Category (EE vs Electrification)	2024 Forecasted Metrics						2025 Forecasted Metrics						2026 Forecasted Metrics						2024-2026 Forecasted Metrics						
	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	
Energy Efficiency and Conservation Programs																									
Residential E&C Programs	EE	53,692	12,147	137,156	1.28	14.21	26,907	53,127	12,166	137,398	1.28	14.24	26,121	53,127	12,166	137,398	1.28	14.24	23,314	159,337	36,477	411,852	3.84	42.69	75,342
Energy Efficient Products	EE	49,888	9,098	118,971	0.78	11.30	22,044	49,933	9,116	119,213	0.78	11.32	20,936	49,933	9,116	119,213	0.78	11.32	19,443	149,753	27,330	357,396	2.34	33.94	62,763
Appliance Recycling	EE	3,194	3,049	18,185	0.50	2.92	4,503	3,194	3,049	18,185	0.50	2.92	4,185	3,194	3,049	18,185	0.50	2.92	3,871	9,583	9,147	54,556	1.50	8.75	12,559
Home Performance	EE	43,368	27,892	495,913	5.21	53.86	74,997	43,736	26,793	393,470	5.10	52.26	63,301	44,048	27,114	399,842	5.19	54.13	60,095	131,169	80,969	1,196,925	15.50	256.26	196,393
Quick Home Energy Check-Up	EE	19,558	14,766	180,039	1.58	20.27	34,709	19,558	14,050	159,618	1.36	16.70	29,322	19,558	14,050	159,618	1.36	16.70	27,128	59,874	42,866	499,276	4.30	53.69	91,159
Home Performance	EE	4,000	7,075	154,625	2.15	47.28	22,909	4,050	7,337	160,268	2.23	49.09	22,174	4,100	7,599	165,910	2.31	50.90	21,406	12,150	22,011	480,803	6.69	147.28	66,469
HVAC Rebates	EE	4,627	2,370	26,181	1.27	13.19	9,438	4,628	2,535	30,516	1.30	13.37	4,422	5,190	2,594	30,946	1.31	13.40	4,769	14,745	7,499	89,644	3.88	39.96	18,629
School and Education	EE	14,800	2,871	43,067	0.21	3.12	7,941	14,800	2,871	43,067	0.21	3.12	7,393	14,800	2,871	43,067	0.21	3.12	6,792	44,400	8,613	129,201	0.63	9.37	22,116
Residential New Construction	EE	699	1,394	38,959	0.37	11.11	4,786	1,075	1,530	42,601	0.40	11.90	4,837	1,157	1,679	46,461	0.42	12.72	4,863	3,231	4,683	128,021	1.19	35.74	14,488
Efficiency for Affordable Housing	EE	70,240	15,053	168,565	2.94	31.21	34,294	140,480	30,107	337,131	5.88	62.41	64,057	140,480	30,107	337,131	5.88	62.41	59,440	351,200	75,267	842,826	14.70	156.03	157,791
Behavioral	EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,563	350,000	163,993	163,993	9.42	9.42	124,564
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Residential Programs Subtotal	EE	517,795	107,881	802,798	16.74	149.33	182,984	588,416	125,651	965,605	22.68	180.25	199,323	588,812	127,847	977,314	22.19	182.92	188,276	994,936	361,329	2,745,717	44.65	494.14	870,582
Energy Efficient Products	Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,514	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.13)	(1.93)	13,926	1,691	(2,229)	(36,289)	(0.22)	(3.52)	21,368
Appliance Rebates (Electrification)	Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,514	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360
Residential Electrification Programs Subtotal	Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,514	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360
Commercial and Industrial E&C Programs	EE	4,470	45,343	624,770	7.59	108.88	97,709	4,470	45,343	624,770	7.59	108.88	89,842	4,470	45,343	624,770	7.59	108.88	81,825	13,410	136,029	1,874,311	22.77	326.65	289,376
Small Business	EE	150	1,057	1,057	-	-	299	150	1,057	1,057	-	-	287	150	1,057	1,057	-	-	265	150	3,171	3,172	-	-	851
Commercial Customer Engagement Portal	EE	1,124	94,957	1,251,120	43.89	643.89	196,486	1,296	110,528	1,435,527	52.13	760.63	207,649	1,212	115,552	1,481,522	52.62	766.07	194,918	3,842	318,037	4,168,179	148.56	2,172.91	599,027
Efficient Business Solutions	EE	814	48,671	600,335	8.13	125.43	101,659	856	55,090	717,661	10.38	136.16	102,515	856	55,090	717,661	10.38	136.16	93,308	2,526	158,851	2,095,657	23.89	397.75	297,490
Prescriptive	EE	118	28,806	458,746	34.05	513.43	69,062	138	37,226	572,167	41.05	618.93	78,995	144	40,250	618,161	41.54	626.37	77,665	400	107,282	1,649,074	116.64	1,758.73	225,722
Custom	EE	18	2,052	16,492	0.29	2.29	3,222	20	2,352	18,818	0.33	2.61	3,384	20	2,352	18,818	0.33	2.61	3,106	58	6,766	54,129	0.95	7.52	9,712
Virtual Commissioning	EE	175	16,416	115,347	0.33	2.66	22,507	192	15,860	129,892	0.37	2.93	22,795	192	15,860	129,892	0.37	2.93	20,841	559	46,138	365,111	1.07	8.51	66,193
Retrocommissioning and Building Tune-Up	EE	4	21,144	528,600	2.50	62.57	(18,956)	4	21,144	528,600	2.50	62.57	(23,309)	4	21,144	528,600	2.50	62.57	(27,386)	12	63,432	1,585,800	7.50	187.72	(69,551)
Combined Heat and Power	EE	2,624	29,112	433,125	3.69	54.78	66,262	2,624	29,141	433,558	3.70	54.93	60,921	2,624	29,141	433,558	3.70	54.93	55,373	7,872	87,394	1,300,241	11.09	164.63	182,556
Commercial Midstream	EE	73	5,884	74,316	1.03	13.26	11,892	74	6,643	79,702	1.06	13.54	11,748	74	6,809	79,708	1.07	13.60	10,900	221	19,338	232,724	3.16	40.41	34,540
Energy Efficient Communities	EE	8,445	197,497	2,912,988	58.61	883.30	353,666	8,528	213,856	3,102,216	66.96	1,000.56	347,138	8,534	217,046	3,149,213	67.48	1,008.06	315,895	25,207	628,399	9,164,417	193.07	2,891.92	1,016,699
Commercial and Industrial E&C Programs Subtotal	EE	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	614,270	2,151	(61,213)	(886,643)	(6.82)	(83.19)	979,847
Commercial Building Electrification	Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	614,270	2,151	(61,213)	(886,643)	(6.82)	(83.19)	979,847
Commercial and Industrial Electrification Programs Subtotal	Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	614,270	2,151	(61,213)	(886,643)	(6.82)	(83.19)	979,847
Energy Efficiency and Conservation Subtotal	EE	526,743	295,287	3,671,044	76.19	1,018.43	620,285	599,320	318,555	3,764,754	86.72	1,152.04	834,637	599,340	312,444	3,651,208	86.13	1,147.34	1,132,366	1,023,960	926,286	10,997,007	230.68	3,299.35	2,897,488
Demand Response Programs																									
Residential Demand Response Program	-	215	215	234.69	234.69	54	-	216	216	234.94	234.94	52	-	216	216	234.94	234.94	47	-	647	647	234.94	234.94	153	
Small Commercial Demand Response Program	-	6	6	14.54	14.54	5	-	6	6	14.54	14.54	4	-	6	6	14.54	14.54	4	-	18	18	14.54	14.54	13	
Demand Response Programs Subtotal	-	221	221	249.23	249.23	59	-	222	222	249.48	249.48	56	-	222	222	249.48	249.48	51	-	665	679	249.48	249.48	166	
Other Programs																									
Conservation Voltage Reduction	-	60,157	60,157	10.18	10.18	15,188	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,807	-	195,643	195,643	11.47	11.47	46,001	
Dynamic Pricing	-	308	308	94.24	94.24	78	-	308	308	94.24	94.24	74	-	308	308	94.24	94.24	66	-	924	923	94.24	94.24	218	
Transformers	-	728	728	0.17	0.17	184	-	819	819	0.19	0.19	196	-	819	819	0.19	0.19	177	-	2,366	2,365	0.55	0.54	557	
Beneficial Electrification	Electrification	-	(7,251)	(112,525)	0.81	9.00	101,136	-	(22,338)	(349,268)	1.75	25.45	447,715	-	(37,997)	(696,378)	2.89	41.84	1,076,801	-	(87,589)	(1,058,171)	5.25	78.08	1,625,652
Other Programs Subtotal	-	53,842	(61,325)	195.29	113.99	116,866	-	46,523	(280,399)	107.65	131.34	464,191	-	30,873	(527,699)	168.79	147.53	1,091,651	-	131,347	(859,240)	111.51	162.32	1,672,428	
EmPOWER Maryland Portfolio Total																									
All Program Total		526,743	349,450	3,919,933	430.62	1,381.25	736,930	599,293	365,309	3,864,977	443.85	1,532.86	1,299,084	599,340	343,539	3,123,935	444.40	1,544.25	2,224,068	1,023,960	1,658,299	10,128,445	891.67	3,731.16	4,280,802
Total Plan EE and DR Only (Exclude Electrification)		526,154	356,729	3,737,297	431.13	1,386.45	655,139	598,546	400,548	3,138,918	444.14	1,536.18	963,953	597,343	413,858	4,195,633	445.69	1,548.18	519,071	1,020,142	1,189,329	12,709,475	893.48	3,741.78	1,634,222
Program Investigation Development and Design (PID)																									
Energy Engineers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Summer Energy Challenge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Controlled Environment Agriculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PID Underserved	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PID Programs Subtotal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

EMP-POWER Maryland 2024-2026 Scenario Forecasts																															
Program Category (EE vs Electrification)		2024 Forecasted Metrics										2026 Forecasted Metrics										2026-2028 Forecasted Metrics									
		Total Participants		Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants		Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants		Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants		Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)		
		Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Concurrent Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)
Energy Efficiency and Conservation Programs																															
Residential EEC Programs																															
Energy Efficient Products		EE	46,490	4,480	51,790	0.48	5.54	10,069	46,959	4,741	54,473	0.49	5.66	9,911	46,959	4,741	54,473	0.49	5.66	9,911	140,458	13,961	160,735	1.46	16.86	29,176					
Appliance Rebates		EE	43,586	3,455	45,673	0.31	4.56	8,555	44,055	3,715	48,356	0.32	4.68	8,094	44,055	3,715	48,356	0.32	4.68	8,094	131,696	10,884	142,385	0.95	13.91	24,295					
Appliance Recycling		EE	2,904	1,026	6,117	0.17	0.98	1,514	2,904	1,026	6,117	0.17	0.98	1,332	2,904	1,026	6,117	0.17	0.98	1,332	8,712	3,077	18,351	0.50	2.94	4,224					
Home Retrofit		EE	37,222	16,804	37,233	3.46	56.72	46,749	37,493	16,860	37,236	3.54	56.74	42,067	37,700	16,129	23,937	3.16	53.37	35,711	112,415	52,233	766,678	8.90	166.12	127,528					
Quick Home Energy Check-Up		EE	15,480	10,309	119,734	1.09	13.27	23,495	15,480	9,169	101,489	0.98	11.05	18,852	15,480	7,636	68,963	0.78	8.07	13,721	46,440	27,114	298,186	2.81	32.38	56,070					
Home Performance		EE	3,150	4,742	103,643	1.62	55.63	15,356	3,200	4,950	108,131	1.69	37.06	14,961	3,250	4,995	109,110	1.70	37.37	14,075	9,600	14,687	320,884	5.00	110.08	44,392					
SEWIC Rebates		EE	3,752	973	11,765	0.53	5.47	4,037	4,013	1,020	12,016	0.54	5.55	1,870	4,170	1,019	12,134	0.55	5.57	2,025	11,975	2,093	35,936	0.92	16.59	7,955					
School and Education		EE	14,800	2,479	37,190	0.16	2.36	6,658	14,800	2,479	37,190	0.16	2.36	6,736	14,800	2,479	37,190	0.16	2.36	5,885	44,400	7,438	111,569	0.47	7.07	10,908					
Residential New Construction		EE	919	1,086	30,426	0.30	8.90	37,373	965	1,156	32,327	0.31	9.36	3,661	1,014	1,232	34,513	0.33	9.82	4,577	2,887	3,474	97,909	0.94	28.07	10,575					
Efficiency for Affordable Housing		EE	11,614	2,656	28,871	0.53	5.50	5,886	24,862	7,124	76,208	1.49	15.36	14,744	24,862	7,124	76,208	1.49	15.36	13,702	61,338	16,904	181,248	3.51	36.22	34,341					
Behavioral		EE	350,000	52,205	52,075	8.94	8.94	41,998	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,553	350,000	163,993	163,993	0.94	9.42	124,566					
CHCD Cross Promotion		EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Residential Programs Subtotal		EE	446,245	78,931	435,456	13.64	35.66	111,447	460,279	85,627	476,912	13.05	35.83	112,392	460,534	86,007	487,253	14.89	31.62	102,747	667,056	250,565	1,369,660	31.22	356.68	326,585					
Energy Efficient Products		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Appliance Rebates (Electrification)		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Residential Electrification Programs Subtotal		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Commercial and Industrial EEC Programs																															
Small Business		EE	2,762	25,493	349,840	4.25	60.87	54,766	2,762	25,493	349,840	4.25	60.87	50,360	2,762	25,493	349,840	4.25	60.87	45,868	8,376	76,478	1,049,521	12.74	182.61	150,993					
Commercial Customer Engagement Portal		EE	150	1,057	1,057	-	-	299	150	1,057	1,057	-	-	287	150	1,057	1,057	-	-	285	150	3,171	3,172	-	-	851					
Efficient Business Solutions		EE	921	50,716	647,168	15.35	224.90	105,717	1,025	60,815	803,491	17.67	258.08	116,860	1,032	62,157	822,239	19.29	252.18	108,482	2,979	173,669	2,293,418	32.31	765.16	330,340					
Prescriptive		EE	691	27,627	389,326	5.03	71.87	60,190	762	32,065	464,284	5.88	82.54	63,455	763	32,309	490,134	5.91	83.20	58,014	2,216	92,000	1,284,742	16.81	237.61	181,769					
Custom		EE	82	12,451	192,736	8.89	141.64	28,921	101	17,154	264,437	11.35	171.17	36,439	107	18,232	260,456	12.91	195.25	35,219	2,920	47,836	738,027	34.14	516.69	100,570					
Virtual Commissioning		EE	13	1,565	193	0.24	1.74	2,443	14	1,713	13,701	0.24	1.90	2,451	14	1,711	13,701	0.24	1.90	2,451	42	4,591	33,920	0.70	5.55	75					
Retrofit/commissioning and Building Tune-Up		EE	135	9,074	72,589	0.21	1.66	14,164	148	8,884	79,069	0.23	1.83	14,100	148	8,884	79,069	0.23	1.83	12,986	341	28,841	230,727	0.66	5.31	41,631					
Combined Heat and Power		EE	4	21,144	528,600	2.50	62.57	(16,956)	4	21,144	528,600	2.50	62.57	(22,388)	4	21,144	528,600	2.50	62.57	(22,388)	12	63,432	1,585,800	7.50	187.72	(99,651)					
Commercial Midstream		EE	2,623	23,273	345,248	2.95	43.73	52,971	2,624	23,302	345,869	2.96	43.89	46,744	2,624	23,302	345,869	2.96	43.89	44,278	7,871	60,878	1,039,625	8.87	131.51	145,566					
Energy Efficient Communities		EE	55	3,171	42,582	0.55	7.42	6,647	55	3,589	45,083	0.55	7.58	6,557	56	3,631	45,756	0.56	7.68	6,602	166	10,390	133,423	1.66	22.66	19,282					
Commercial and Industrial EEC Programs Subtotal		EE	6,545	124,853	1,935,496	25.60	399.50	201,444	6,650	136,400	2,074,760	27.84	432.97	199,169	6,658	136,764	2,098,703	29.56	457.18	177,639	19,554	397,017	3,164,995	83.09	1,289.66	576,262					
Commercial and Industrial Electrification Programs		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Commercial and Industrial Electrification Programs Subtotal		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Energy Efficiency and Conservation Subtotal			452,790	203,783	2,370,990	39.24	485.10	312,890	466,930	221,626	2,551,673	42.99	528.80	311,611	467,192	222,772	2,551,955	44.45	550.80	280,385	686,612	347,691	4,744,619	108.31	1,546.34	904,537					
Demand Response Programs																															
Residential Demand Response Program		-	216	215	243.69	234.69	59	-	216	216	234.94	234.94	52	-	216	216	234.94	234.94	47	-	647	647	234.94	234.94	153	-					
Small Commercial Demand Response Program		-	6	6	14.54	14.54	8	-	6	6	14.54	14.54	8	-	6	6	14.54	14.54	8	-	18	18	14.54	14.54	10	-					
Demand Response Programs Subtotal		-	221	221	243.23	249.23	67	-	222	222	249.48	249.48	56	-	222	225	249.48	249.48	57	-	665	679	249.48	249.48	163	-					
Other Programs																															
Conservation Voltage Reduction		-	60,157	60,157	10.18	10.18	15,168	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,607	-	195,943	195,943	11.47	11.47	46,001						
Dynamic Pricing		-	308	308	94.24	94.24	78	-	308	308	94.24	94.24	74	-	308	308	94.24	94.24	66	-	924	923	94.24	94.24	216	-					
Transformers		-	728	21,840	0.17	5.10	184	-	819	24,570	0.19	5.70	196	-	819	24,570	0.19	5.70	177	-	2,366	70,880	0.55	16.50	557						
Beneficial Electrification		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
Other Programs Subtotal			61,193	82,305	104.69	109.92	15,450	-	68,870	92,621	105.90	111.41	16,476	-	68,870	92,621	105.90	111.41	14,850	-	198,933	267,646	106.26	122.21	46,776						
EMP-POWER Maryland Portfolio Total																															
All Program Total			452,790	265,197	2,453,516	393.04	843.85	328,359	466,930	230,111	2,644,516	396.77	889.68	328,053	467,192	291,864	2,644,812	399.83	911.69	295,287	686,612	847,179	7,742,843	484.05	1,918.63	951,779					
Total Plan EE and DR Only (Exclude Electrification)			452,790	265,197	2,453,516	393	844	328,359	466,930	230,111	2,644,516	398	889	328,053	467,192	291,864	2,644,812	400	912	295,287	686,612	847,179	7,742,843	464	1,918	951,779					
Program Investigation Development and Design (PIDD)																															
Energy Engineers																															
Summer Energy Challenge																															
Controlled Environment Agriculture																															
PIDD Underwrite																															
PIDD Programs Subtotal																															

EmPOWER Maryland 2024-2026 Scenario Forecasts

Program Category (EE vs Electrification)		2024 Forecasted Metrics										2025 Forecasted Metrics										2026 Forecasted Metrics										2024-2026 Forecasted Metrics									
		Total Participants		Total Annualized Energy Savings (MWh)		Lifecycle Energy Savings (MWh)		Coincident Peak Demand Reduction (MW)		Lifecycle Demand Savings (MW)		Lifecycle CO2e (Short Tons)		Total Participants		Total Annualized Energy Savings (MWh)		Lifecycle Energy Savings (MWh)		Coincident Peak Demand Reduction (MW)		Lifecycle Demand Savings (MW)		Lifecycle CO2e (Short Tons)		Total Participants		Total Annualized Energy Savings (MWh)		Lifecycle Energy Savings (MWh)		Coincident Peak Demand Reduction (MW)		Lifecycle Demand Savings (MW)		Lifecycle CO2e (Short Tons)					
		Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings	Participants	Savings								
Energy Efficiency and Conservation Programs																																									
Residential E&C Programs																																									
Energy Efficiency Products		EE	46,490	4,480	51,790	0.48	5.54	10,059	46,959	4,741	54,473	0.49	5.68	9,911	46,959	4,741	54,473	0.49	5.68	9,911	140,408	13,961	162,735	1.45	16.86	29,176															
Appliance Rebates		EE	43,586	3,455	45,673	0.31	4.56	8,565	44,055	3,715	48,356	0.32	4.68	8,503	44,055	3,715	48,356	0.32	4.68	8,503	131,696	10,684	142,385	0.95	13.91	24,951															
Appliance Recycling		EE	2,504	1,026	6,117	0.17	0.98	5,114	2,904	1,028	6,117	0.27	0.98	1,458	2,904	1,028	6,117	0.27	0.98	1,458	6,712	3,077	18,351	0.34	3.07	18,351															
Home Retrofit		EE	37,222	18,504	272,353	3.40	56.72	48,748	37,493	19,600	288,832	3.34	56.04	42,067	37,700	16,726	258,397	3.16	51.37	35,711	112,415	52,233	766,575	9.90	106.12	127,525															
Quick Home Energy Check-Up		EE	15,480	10,309	119,734	1.09	13.27	23,496	15,480	9,769	101,489	0.96	11.05	18,852	15,480	7,638	76,963	0.76	8.07	13,711	46,440	27,114	298,198	2.81	32.38	56,070															
Home Performance		EE	4,742	1,492	33,100	1.62	33.63	15,356	3,250	4,950	108,131	1.69	37.18	14,961	3,250	4,950	109,110	1.70	37.37	14,075	9,600	14,887	320,884	5.00	101.08	44,392															
HVAC Rebates		EE	3,792	873	17,185	0.53	5.47	4,037	4,013	1,002	12,016	0.54	5.55	1,879	4,170	1,019	12,134	0.55	5.57	2,050	11,975	2,993	53,958	1.62	16.59	7,965															
School and Education		EE	14,800	2,479	37,190	0.16	2.36	6,588	14,800	2,479	37,190	0.16	2.36	6,376	14,800	2,479	37,190	0.16	2.36	5,865	44,400	7,438	111,569	0.47	7.07	19,098															
Residential New Construction		EE	919	1,098	30,478	0.30	8.90	3,737	995	1,156	32,320	0.31	9.36	3,661	1,014	1,232	34,313	0.33	9.82	3,577	2,887	3,474	97,109	0.84	28.07	10,975															
Efficiency for Affordable Housing		EE	11,814	2,656	38,671	0.53	5.50	5,895	24,862	7,124	76,288	1.49	15.36	10,466	24,862	7,124	76,288	1.49	15.36	10,303	61,338	16,904	181,248	3.51	36.22	34,344															
Energy Efficient Windows		EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	43,760	350,000	163,993	163,993	9.42	9.42	152,588															
DNDX Cross Promotion		EE	446,245	78,931	435,494	13.64	85.60	11,447	460,279	85,627	476,912	15.05	95.83	112,352	460,534	86,007	457,253	14.89	93.62	102,747	687,058	250,565	1,369,659	29.22	256.68	326,558															
Energy Efficiency Products		Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,514	543	(708)	(11,528)	(0.07)	(1.11)	5,920	908	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360															
Appliance Rebates (Electrification)		Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,514	543	(708)	(11,528)	(0.07)	(1.11)	5,920	908	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360															
Residential Electrification Programs Subtotal																																									
Commercial and Industrial E&C Programs		EE	2,762	25,493	349,840	4.25	60.87	54,766	2,762	25,493	349,840	4.25	60.87	50,360	2,762	25,493	349,840	4.25	60.87	45,868	8,376	76,478	1,049,521	12.74	162.61	150,993															
Commercial Customer Engagement Portal		EE	150	1,057	1,057	299	287	150	1,057	1,057	299	287	150	1,057	1,057	299	287	150	1,057	1,057	285	150	3,171	3,172	172																
Efficient Business Solutions		EE	2,911	50,716	667,169	15.35	224.90	105,717	1,025	60,813	803,941	16.77	258.08	116,600	1,232	62,137	822,729	18.29	282.18	108,552	2,979	173,698	2,293,418	52.31	761.16	330,830															
Prescriptive		EE	691	27,627	389,326	5.03	71.87	60,190	762	32,065	448,284	5.86	82.54	63,485	763	32,309	465,134	5.91	83.20	58,019	2,216	92,000	1,284,744	16.81	237.01	181,769															
Customer		EE	62	12,451	152,736	9.89	148.64	28,921	101	17,154	254,437	11.35	171.81	36,499	107	18,229	268,635	12.47	195.25	35,014	296	47,838	738,027	34.14	516.69	103,579															
Virtual Commissioning		EE	13	1,565	12,517	0.22	1.74	2,442	14	1,713	13,701	0.42	1.90	2,457	14	1,713	13,701	0.42	1.90	2,457	4	4,991	39,920	0.70	5.65	7,159															
Retrcommissioning and Building Tune-Up		EE	135	9,074	72,589	0.21	1.66	1,644	148	9,184	73,069	0.23	1.83	14,180	148	9,884	79,069	0.23	1.83	12,988	31	28,841	230,727	0.66	5.31	41,331															
Combined Heat and Power		EE	4	21,144	528,600	2.50	62.57	18,959	4	21,144	528,600	2.50	62.57	(20,359)	4	21,144	528,600	2.50	62.57	(27,586)	12	63,432	1,585,780	7.50	187.72	(89,651)															
Commercial Midstream		EE	2,623	23,273	346,248	2.95	45.73	52,971	2,624	23,302	346,689	2.96	43.89	48,714	2,624	23,302	346,689	2.96	43.89	48,718	7,871	69,878	1,039,625	8.87	131.51	145,961															
Energy Efficiency Subtotal		EE	6,545	131,421	1,452,582	0.55	7.42	66,447	55	3,589	45,083	0.55	7.56	6,557	56	3,631	45,758	0.56	7.68	6,602	166	10,390	133,423	1.68	22.68	18,266															
Commercial and Industrial E&C Programs Subtotal		EE	6,545	124,853	1,355,496	25.60	399.50	201,544	6,680	135,400	2,074,760	27.94	432.97	199,169	6,658	136,764	2,094,703	29.56	447.18	177,639	19,584	287,617	6,104,899	53.90	828.66	876,252															
Commercial Electrification		Electrification	351	(7,780)	(139,774)	(1.13)	(13.73)	8,211	29	(20,161)	(291,533)	(2.27)	(27.66)	28,424	351	(7,780)	(139,774)	(1.13)	(13.73)	8,211	219	(16,123)	(286,843)	(1.62)	(20.33)	28,424															
Commercial and Industrial Electrification Programs Subtotal		Electrification	351	(9,766)	(159,774)	(1.13)	(13.73)	8,211	71	(20,994)	(291,539)	(2.27)	(27.66)	28,424	351	(9,766)	(159,774)	(1.13)	(13.73)	8,211	219	(16,123)	(286,843)	(1.62)	(20.33)	28,424															
Energy Efficiency and Conservation Subtotal			483,351	193,692	2,226,247	35.08	479.90	395,525	468,190	200,124	2,248,606	40.65	500.02	599,937	469,189	190,323	2,075,637	40.91	507.07	603,662	690,454	584,139	6,551,499	101.27	1,459.63	1,925,044															
Demand Response Programs																																									
Residential Demand Response Programs																																									
Residential Demand Response Program			-	215	215	234.69	234.69	54	-	216	216	234.94	234.94	52	-	216	216	234.94	234.94	47	-	647	647	234.94	234.94	153															
Small Commercial Demand Response Program			-	6	14.54	6.154	6.154	5	-	6	14.54	6.154	6.154	4	-	6	14.54	6.154	6.154	3	-	665	665	234.94	234.94	160															
Demand Response Program Subtotal			-	221	221	249.23	249.23	59	-	222	222	249.48	249.48	56	-	222	222	249.48	249.48	51	-	665	665	234.94	234.94	163															
Other Programs																																									
Conservation Voltage Reduction			-	60,157	60,157	10.18	10.18	15,168	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,007	-	195,643	195,643	11.47	11.47	46,001															
Dynamic Transformers			-	308	308	94.24	94.24	78	-	308	308	94.24	94.24	74	-	308	308	94.24	94.24	66	-	824	824	94.24	94.24	214															
Beneficial Electrification		Electrification	-	728	728	0.17	0.17	1,184	-	819	819	0.19	0.19	1,196	-	819	819	0.19	0.19	1,177	-	2,366	2,366	0.55	0.54	557															
Other Programs Subtotal		Electrification	1,633	(7,251)	(112,625)	(0.01)	(0.01)	13,158	5,330	(2,092)	(340,269)	(0.02)	(0.26)	41,654	9,338	(37,992)	(595,169)	(0.22)	(2.49)	1,078,801	16,331	(17,818)	(287,565)	(1.08)	(13.71)	1,623,041															
Other Programs Subtotal		Electrification	1,633	(53,942)	(81,332)	(0.02)	(0.02)	115,39	5,330	(46,532)	(280,399)	(0.07)	(0.85)	464,181	9,338	(30,873)	(527,659)	(0.09)	(1.47)	1,091,591	16,331	(19,347)	(89,240)	(1.15)	(14.32)	1,672,248															
EMPOWER Maryland Portfolio Total																																									
All Program Total			458,016	247,855	2,176,136	392.51	833.72	613,170	472,157	244,173	1,984,030	397.78	880.54	1,044,184	475,629	221,418	1,540,343	399.18	904.08	2,000,284	798,779	716,161	8,692,929	462.26	1,891.44	3,573,538															
Total Plan EE and DR Only (Exclude Electrification)			452,750	265,197	2,432,044	393	839	329,939	466,530	280,118	2,620,764	398	884	328,939	467,152	281,939	2,621,060	400	906	295,287	698,612	647,178	7,674,228	464	1,902	3,571,798															
Program Investigation and Development Process (PIDD)																																									
Energy Engineers																																									
Summer Energy Challenge																																									
Controlled Environment Agriculture																																									
PIDD Unidentified																																									
PIDD Projects Subtotal																																									

EmPOWER Maryland 2024-2026 Scenario Forecasts

	Program Category (EE vs Electrification)	2024 Forecasted Metrics						2025 Forecasted Metrics						2026 Forecasted Metrics						2024-2026 Forecasted Metrics						
		Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	
Energy Efficiency and Conservation Programs																										
Residential EE&C Programs																										
Energy Efficient Products		EE	53,082	5,404	62,645	0.55	6.39	12,196	53,127	5,413	62,759	0.55	6.40	11,388	53,127	5,413	62,759	0.55	6.40	10,870	198,337	16,229	188,162	1.65	19.19	34,155
Appliance Rebates		EE	49,898	4,276	55,615	0.37	5.31	10,100	49,933	4,285	55,600	0.37	5.32	9,840	49,933	4,285	55,600	0.37	5.32	9,198	148,753	12,845	167,076	1.10	15.95	29,508
Appliance Recycling		EE	3,194	1,128	6,729	0.18	1.66	3,194	3,194	1,128	6,729	0.19	1.68	1,548	3,194	1,128	6,729	0.19	1.68	1,432	8,935	3,384	20,185	0.62	3.24	467
Home Retrofit		EE	43,385	22,456	340,315	4.06	68.02	61,394	43,736	22,170	328,308	3.96	66.69	83,068	44,048	22,429	334,445	4.04	68.28	50,187	131,169	67,055	1,004,067	12.07	203.00	164,639
Quick Home Energy Check-Up		EE	19,958	12,403	151,233	1.33	17.03	29,156	19,958	12,403	154,080	1.14	14.03	24,630	19,958	12,402	154,080	1.14	14.03	22,788	59,674	36,007	419,392	3.61	40.88	76,574
Home Performance		EE	4,000	6,165	134,524	1.87	41.13	19,931	4,050	6,383	139,433	1.94	42.71	19,291	4,100	6,611	144,342	2.01	44.29	18,623	12,150	19,159	418,299	5.82	126.13	57,845
HVAC Rebates		EE	4,627	1,256	14,936	0.67	6.99	5,002	4,528	1,344	16,174	0.69	7.08	2,344	4,590	1,375	16,402	0.69	7.10	2,528	14,745	3,974	47,511	2.06	21.18	9,873
School and Education		EE	14,800	2,641	39,622	0.19	2.87	7,306	14,800	2,641	39,622	0.19	2.87	6,792	14,800	2,641	39,622	0.19	2.87	6,429	44,400	7,924	118,895	0.08	8.62	20,347
Residential Electrification		EE	999	1,213	33,994	0.32	9.67	4,168	1,075	1,331	37,063	0.35	10.36	4,206	1,157	1,461	40,421	0.37	11.07	4,231	3,221	4,055	111,378	1.04	31.09	12,805
Efficiency for Affordable Housing		EE	70,240	15,053	168,565	2.94	31.21	34,294	140,480	30,107	337,131	5.88	62.41	64,057	140,480	30,107	337,131	5.88	62.41	59,440	351,200	75,267	842,826	10.74	156.03	157,791
Behavioral		EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,545	351,200	163,993	163,993	9.42	9.42	124,568
DHCD Cross Promotion		EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Residential Programs Subtotal		EE	517,705	96,331	657,624	16.82	124.22	154,048	588,418	114,027	821,266	20.16	155.28	174,718	588,812	116,192	831,537	20.26	157.59	164,991	934,936	326,550	2,316,427	38.88	418.73	493,767
Energy Efficient Products Subtotal		Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,814	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691	(2,229)	(36,265)	(0.22)	(3.52)	21,360
Appliance Rebates (Electrification)		Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,814	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691	(2,229)	(36,265)	(0.22)	(3.52)	21,360
Residential Electrification Programs Subtotal		Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,814	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691	(2,229)	(36,265)	(0.22)	(3.52)	21,360
Commercial and Industrial EE&C Programs																										
Small Business		EE	4,470	40,809	562,293	6.83	98.00	87,338	4,470	40,809	562,293	6.83	98.00	80,858	4,470	40,809	562,293	6.83	98.00	73,643	13,410	122,426	1,688,880	20.49	293.99	242,438
Commercial Customer Engagement Portal		EE	150	1,057	1,057	299	297	150	150	1,057	1,057	299	150	150	1,057	1,057	299	150	150	1,057	150	3,171	3,172	150	3,172	150
Efficient Business Solutions		EE	1,124	74,455	966,442	29.02	422.88	182,359	1,206	86,913	1,096,434	34.39	496.17	159,426	1,212	87,828	1,124,031	34.69	500.63	148,695	3,542	246,396	1,368,907	28.48	417.67	460,480
Prescriptive		EE	814	42,830	891,271	8.03	110.38	89,469	856	48,419	631,542	9.13	119.82	90,213	856	48,419	631,542	9.13	119.82	82,109	2,526	139,789	1,844,354	26.30	350.02	261,791
Custom		EE	118	17,894	275,349	20.43	308.06	41,431	138	22,336	343,300	21.92	336.07	42,716	140	24,450	462,595	24.92	375.62	46,390	400	64,565	989,444	1,055.24	1,619.98	69,598
Virtual Commissioning		EE	8	2,062	16,492	0.25	2.29	3,222	20	2,352	18,818	0.33	2.61	3,362	20	2,352	18,818	0.33	2.61	3,362	5	6,766	54,129	0.95	7.52	8,172
Retrocommissioning and Building Tune-Up		EE	175	11,679	93,431	0.27	21.15	18,231	192	12,847	102,774	0.30	23.37	18,432	192	12,847	102,774	0.30	23.37	18,432	559	37,372	298,980	7.67	6.89	53,653
Combined Heat and Power		EE	4	21,144	528,600	2.50	62.57	(18,959)	4	21,144	528,600	2.50	62.57	(23,395)	4	21,144	528,600	2.50	62.57	(27,386)	12	63,432	1,568,800	7.50	187.72	(69,641)
Commercial Midstream		EE	2,604	23,290	345,500	2.95	43.82	53,010	2,604	23,313	346,845	2.96	43.94	48,737	2,604	23,313	346,846	2.96	43.94	44,298	7,872	69,915	1,040,193	8.87	131.70	146,816
Energy Efficient Communities		EE	73	5,178	65,396	0.91	11.67	10,465	74	5,848	69,258	0.93	11.92	10,338	74	5,992	70,141	0.94	11.97	5,952	221	17,016	204,797	2.78	35.56	30,505
Commercial and Industrial EE&C Programs Subtotal		EE	8,445	165,932	2,470,290	42.21	639.94	285,114	8,529	175,182	2,654,495	47.82	712.59	276,337	8,534	180,143	2,652,869	47.92	717.11	249,107	25,207	524,296	7,707,748	137.75	2,068.64	810,558
Energy Efficient Products Subtotal		Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(21,194)	(291,530)	(2.27)	(27.66)	282,456	1,027	(31,193)	(455,520)	(2.42)	(41.83)	614,270	2,151	(161,213)	(888,438)	(0.82)	(83.19)	978,847
Commercial and Industrial Electrification Programs Subtotal		Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(21,194)	(291,530)	(2.27)	(27.66)	282,456	1,027	(31,193)	(455,520)	(2.42)	(41.80)	614,270	2,151	(161,213)	(888,438)	(0.82)	(83.19)	978,847
Energy Efficiency and Conservation Subtotal			526,743	252,172	2,953,172	67.87	748.96	522,797	595,203	217,307	3,122,685	65.44	539.10	739,451	599,340	253,885	2,699,187	64.64	539.95	1,042,295	1,023,986	787,363	9,935,407	169.69	2,405.67	3,304,633
Demand Response Programs																										
Residential Demand Response Program			-	215	215	234.69	234.69	54	-	216	216	234.94	234.94	52	-	216	216	234.94	234.94	47	-	647	647	234.94	234.94	153
Small Commercial Demand Response Program		EE	-	6	6	14.54	14.54	4	-	6	6	14.54	14.54	4	-	6	6	14.54	14.54	4	-	686	686	234.94	234.94	153
Demand Response Programs Subtotal		EE	-	221	221	249.23	249.23	58	-	222	222	249.48	249.48	56	-	222	222	249.48	249.48	51	-	687	679	249.48	249.48	168
Other Programs																										
Conservation Voluntary Energy Reduction		EE	-	60,157	60,157	10.18	10.18	15,188	-	67,745	67,745	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,607	-	195,843	195,843	11.47	11.47	46,001
Dynamic Pricing		EE	-	308	308	94.24	94.24	78	-	308	308	94.24	94.24	74	-	308	308	94.24	94.24	66	-	924	923	94.24	94.24	214
Transformers		EE	-	728	728	0.17	0.17	184	-	819	819	0.19	0.19	196	-	819	819	0.19	0.19	177	-	2,366	2,365	0.55	0.54	557
Beneficial Electrification		Electrification	-	(7,251)	(112,350)	(0.17)	(0.17)	19,139	-	(27,339)	(250,278)	(0.19)	(0.19)	26,469	-	(27,339)	(250,278)	(0.19)	(0.19)	26,469	-	(27,339)	(250,278)	(0.19)	(0.19)	26,469
Other Programs Subtotal		EE	-	53,942	(91,332)	(0.50)	(0.50)	116,068	-	46,632	(289,399)	(0.67)	(0.67)	134,191	-	30,873	(527,599)	(0.67)	(0.67)	147,53	-	131,347	(859,240)	(11.51)	(182.32)	1,872,428
Empower Maryland Portfolio Total																										
All Program Total			526,743	306,335	2,932,061	412.30	1,111.78	639,442	598,203	218,051	3,442,511	622.67	2,119.92	1,203,676	599,340	249,980	2,461,613	422.91	1,227.97	2,133,997	1,026,943	919,375	9,236,485	530.58	2,843.47	3,977,117
Total Plan EE and DR Only (Exclude Electrification)			626,951	323,377	3,189,328	412.80	1,146.94	454,671	599,946	361,301	3,484,846	423.16	1,223.25	667,587	597,347	368,426	3,533,010	423.96	1,230.07	429,000	1,020,143	1,050,403	10,217,755	532.37	2,932.01	3,158,258
Program Investigation Development and Design (PIDO)																										
Energy Engineers																										
Summer Energy Challenge																										
Controlled Environment Agriculture																										
PIDO Unidentified																										
PIDO Programs Subtotal																										

Table ES-2 Net 2023 Scenario																					
EMPOWER Maryland 2024-2026 Scenario Forecasts																					
Program Category (EE vs Electrification)	2024 Forecasted Metrics					2025 Forecasted Metrics					2026 Forecasted Metrics					2024-2026 Forecasted Metrics					
	Annual Energy Savings (MWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	
Energy Efficiency and Conservation Programs																					
Residential EEC & Programs		EE	16,122	1.11	-	71,500	22,296	16,676	1.13	-	82,600	21,896	16,676	1.13	-	29,314	31,474	3.37	-	154,000	64,860
Energy Efficient Products		EE	7,350	0.66	-	18,203	7,004	0.68	-	82,500	18,091	7,994	0.68	-	23,156	23,156	2.02	-	154,000	53,008	
Appliance Rebates		EE	2,272	0.45	-	4,093	2,772	0.45	-	3,805	2,772	0.45	-	3,519	8,316	1.35	-	-	-	11,417	
Appliance Recycling		EE	22,254	4.33	-	182,278	60,694	21,190	4.27	-	188,591	59,114	19,449	4.06	-	187,211	42,795	62.893	12.66	-	555,080
Home Retrofit		EE	12,273	1.30	-	31,020	27,972	10,915	1.14	-	31,020	22,443	9,090	0.91	-	31,020	16,338	22.278	3.35	-	93,090
Quick Home Energy Check		EE	5,451	1.86	-	96,512	17,651	5,690	1.94	-	98,670	17,196	5,741	1.95	-	99,190	16,178	16.862	5.75	-	294,372
Home Performance		EE	1,835	1.00	-	13,750	7,617	1,880	1.02	-	14,905	3,545	1,923	1.03	-	18,005	3,807	5,648	3.05	-	44,660
HVAC Rebates		EE	2,695	0.17	-	40,996	7,454	2,695	0.17	-	40,996	6,830	2,695	0.17	-	40,996	6,830	8,085	0.51	-	122,998
School and Education		EE	1,248	0.34	-	1,296	6,225	1,248	0.34	-	5,335	4,268	1,418	0.38	-	5,380	4,212	3,383	1.08	-	15,660
Residential New Construction		EE	2,695	0.53	-	385	5,895	7,124	1.49	-	1,155	14,746	7,124	1.49	-	13,700	16,904	3.51	-	-	20,769
Efficiency for Affordable Housing		EE	1,248	0.34	-	1,296	6,225	1,248	0.34	-	5,335	4,268	1,418	0.38	-	5,380	4,212	3,383	1.08	-	15,660
Behavioral		EE	52,205	8.94	-	41,998	55,006	9.42	-	42,007	56,762	9.42	-	40,565	163,993	9.42	-	-	-	-	124,588
DHCD Cross Promotion		EE			-					-				-						-	
Residential Programs Subtotal		EE	88,485	15.26	-	259,388	133,177	95,325	16.67	-	274,581	132,971	96,447	16.48	-	193,756	121,444	279,257	30.04	-	727,728
Energy Efficient Products		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appliance Rebates (Electrification)		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Electrification Programs Subtotal		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial and Industrial EEC & Programs																					
Small Business		EE	28,325	4.72	-	440	60,851	28,325	4.72	-	440	55,955	28,325	4.72	-	440	50,994	84,975	14.16	-	1,320
Commercial Customer Engagement Portal		EE	1,057	-	-	299	1,057	-	-	287	1,057	-	-	266	-	50,994	3,171	-	-	-	851
Efficient Business Solutions		EE	64,912	22.68	-	136,529	78,942	26.99	-	152,836	81,016	28.15	-	143,806	224,870	77.52	-	-	-	-	452,364
Prescriptive		EE	31,394	5.72	-	69,389	38,437	8.66	-	72,142	38,715	6.72	-	69,016	10,546	19.10	-	-	-	-	208,556
Customer		EE	20,751	16.48	-	48,202	28,590	18.81	-	60,731	30,386	21.51	-	58,699	79,727	58.90	-	-	-	-	167,632
Virtual Commissioning		EE	1,566	0.22	-	2,442	1,713	0.24	-	2,457	1,713	0.24	-	2,520	4,991	0.70	-	-	-	-	7,150
Retraining and Building Turn-Over		EE	11,202	2.00	-	12,500	12,202	1,500	-	12,202	12,202	0.26	-	12,202	35,608	0.95	-	-	-	-	51,056
Combined Heat and Power		EE	2,144	2.50	-	(447,771)	(18,565)	2,144	2.50	-	(447,771)	(23,309)	2,144	2.50	-	(447,771)	(27,380)	83,432	7.50	-	(1,343,313)
Commercial Midstream		EE	1,566	0.22	-	2,442	1,713	0.24	-	2,457	1,713	0.24	-	2,520	4,991	0.70	-	-	-	-	7,150
Energy Efficient Communities		EE	29,091	3.69	-	66,214	29,128	3.70	-	60,893	29,128	3.70	-	55,348	87,347	11.09	-	-	-	-	192,455
Commercial and Industrial EEC & Programs Subtotal		EE	148,132	34.21	-	(447,331)	252,489	162,674	37.64	-	(447,331)	254,113	164,798	40.31	-	(447,331)	229,000	475,602	112.16	-	(1,341,993)
Commercial Building Electrification		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial and Industrial Electrification Programs Subtotal		Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy Efficiency and Conservation Subtotal			236,617	49.46	-	(187,943)	387,666	257,999	54.31	-	(172,750)	387,004	260,243	58.79	-	(263,576)	350,524	754,859	142.20	-	(614,268)
Demand Response Programs																					
Residential Demand Response Program			215	234.69	-	54	216	234.94	-	52	216	234.94	-	51	647	234.94	-	-	-	-	153
Small Commercial Demand Response Program			6	14.54	-	5	6	14.54	-	4	6	14.54	-	4	18	14.54	-	-	-	-	13
Demand Response Programs Subtotal			221	249.23	-	59	222	249.48	-	56	222	249.48	-	55	665	249.48	-	-	-	-	166
Other Programs																					
Conservation Voltage Reduction			60,157	10.18	-	15,198	67,743	11.47	-	16,200	67,743	11.47	-	14,807	195,943	11.47	-	-	-	-	46,001
Dynamic Pricing			308	94.24	-	78	308	94.24	-	74	308	94.24	-	66	924	94.24	-	-	-	-	218
Transformers			728	0.17	-	184	819	0.19	-	198	819	0.19	-	177	2,366	0.55	-	-	-	-	557
Beneficial Electrification					-				-				-				-	-	-	-	
Other Programs Subtotal		Electrification	61,193	104.59	-	15,450	68,870	105.90	-	16,476	68,870	105.90	-	14,850	198,933	106.26	-	-	-	-	46,776
EMPOWER Maryland Portfolio Total																					
All Program Total			298,031	403.28	-	(187,943)	403,171	327,091	409.69	-	(172,750)	403,616	329,335	412.17	-	(263,576)	365,425	954,457	497.94	-	(614,268)
Total Plan EE and DR Only (Exclude Electrification)			298,031	403.28	-	(187,943)	403,171	327,091	409.69	-	(172,750)	403,616	329,335	412.17	-	(263,576)	365,425	954,457	497.94	-	(614,268)
Program Investigation Development and Design (PIDD)																					
Energy Engineers																					
Summer Energy Challenge																					
Controlled Environment Architecture																					
PIDD Unidentified																					
PIDD Programs Subtotal																					

Table ES-3A Gross 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2024	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Costs	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$	\$ 345,500	\$ 1,545,200	\$ 735,000	\$ 153,100	\$ 2,778,800	\$ 2,321,401	\$ 5,100,201
Appliance Rebates	EE		\$	\$ 250,900	\$ 1,302,000	\$ 371,100	\$ 118,600	\$ 2,042,600	\$ 1,908,205	\$ 3,950,805
Appliance Recycling	EE		\$	\$ 94,600	\$ 243,200	\$ 363,900	\$ 34,500	\$ 736,200	\$ 413,196	\$ 1,149,396
Home Retrofit	EE		\$	\$ 873,300	\$ 2,421,100	\$ 1,125,400	\$ 695,700	\$ 5,115,500	\$ 18,069,087	\$ 23,184,585
Quick Home Energy Check-Up	EE		\$	\$ 235,400	\$ 617,100	\$ 417,800	\$ 209,500	\$ 1,479,800	\$ 5,502,398	\$ 6,982,198
Home Performance	EE		\$	\$ 179,600	\$ 692,100	\$ 354,100	\$ 363,600	\$ 1,589,400	\$ 10,530,582	\$ 12,119,982
HVAC Rebates	EE		\$	\$ 244,300	\$ 1,067,400	\$ 353,500	\$ 93,500	\$ 1,758,700	\$ 1,356,175	\$ 3,114,875
Schools and Education	EE		\$	\$ 214,000	\$ 44,500	\$ -	\$ 29,100	\$ 287,600	\$ 679,912	\$ 967,512
Residential New Construction	EE		\$	\$ 82,900	\$ 214,500	\$ 251,900	\$ 44,300	\$ 593,600	\$ 882,275	\$ 1,475,875
Efficiency for Affordable Housing	EE		\$	\$ 108,700	\$ 1,550,000	\$ 600,000	\$ 227,200	\$ 2,485,900	\$ 5,085,815	\$ 7,571,715
Behavioral	EE		\$	\$ 425,000	\$ 1,458,200	\$ -	\$ 58,300	\$ 1,941,500	\$ -	\$ 1,941,500
DHCD Cross Promotion	EE		\$	\$ 40,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 160,000	\$ 160,000
Residential Programs Subtotal	EE		\$	\$ 1,875,400	\$ 7,189,000	\$ 2,832,300	\$ 1,178,600	\$ 13,075,300	\$ 26,358,558	\$ 39,433,858
Energy Efficient Products	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Appliance Rebates (Electrification)	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Electrification Programs Subtotal	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial EE&C Programs										
Small Business	EE		\$	\$ 426,500	\$ 2,973,100	\$ 721,900	\$ 411,700	\$ 4,533,200	\$ 16,048,028	\$ 20,581,228
Commercial Customer Engagement Portal	EE		\$	\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500
Efficient Business Solutions	EE		\$	\$ 803,600	\$ 6,175,300	\$ 1,199,400	\$ 923,100	\$ 9,101,400	\$ 21,954,766	\$ 31,056,166
Prescriptive	EE		\$	\$ 242,400	\$ 2,188,100	\$ 331,200	\$ 502,900	\$ 3,264,600	\$ 13,498,338	\$ 16,762,938
Custom	EE		\$	\$ 197,400	\$ 2,378,800	\$ 517,300	\$ 264,800	\$ 3,356,300	\$ 5,467,228	\$ 8,825,528
Virtual Commissioning	EE		\$	\$ 181,800	\$ 885,500	\$ -	\$ 33,100	\$ 1,100,500	\$ -	\$ 1,100,500
Retrocommissioning and Building Tune-Up	EE		\$	\$ 181,900	\$ 722,900	\$ 350,900	\$ 122,300	\$ 1,378,000	\$ 2,989,200	\$ 4,367,200
Combined Heat and Power	EE		\$	\$ 158,600	\$ 177,300	\$ 111,400	\$ 137,600	\$ 584,900	\$ 4,000,000	\$ 4,584,800
Commercial Midstream	EE		\$	\$ 200,900	\$ 469,400	\$ 194,400	\$ 172,000	\$ 1,036,700	\$ 4,696,359	\$ 5,733,059
Energy Efficient Communities	EE		\$	\$ 196,100	\$ 549,000	\$ 173,200	\$ 73,000	\$ 991,300	\$ 1,441,875	\$ 2,433,175
Commercial and Industrial EE&C Programs Subtotal	EE		\$	\$ 1,806,700	\$ 11,160,000	\$ 2,820,300	\$ 1,750,000	\$ 17,331,000	\$ 48,141,828	\$ 65,472,828
Commercial Building Electrification	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency and Conservation Subtotal			\$	\$ 3,776,100	\$ 18,349,000	\$ 5,352,600	\$ 2,928,600	\$ 30,406,300	\$ 74,499,586	\$ 104,965,886
Demand Response Programs										
Residential Demand Response Program			\$	\$ 4,488,700	\$ 1,050,200	\$ -	\$ 3,038,600	\$ 403,700	\$ 8,981,200	\$ 11,202,505
Small Commercial Demand Response Program			\$	\$ 210,900	\$ 159,600	\$ -	\$ 143,900	\$ 31,500	\$ 545,900	\$ 604,080
Demand Response Programs Subtotal			\$	\$ 4,699,600	\$ 1,209,800	\$ -	\$ 3,182,500	\$ 435,200	\$ 9,527,100	\$ 11,796,585
Other Programs										
Conservation Voltage Reduction			\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$	\$ 4,699,600	\$ 1,209,800	\$ 3,776,100	\$ 18,349,000	\$ 8,535,100	\$ 3,363,800	\$ 39,933,400
Total Plan EE and DR Only (Exclude Electrification)			\$	\$ 4,699,600	\$ 1,209,800	\$ 3,776,100	\$ 18,349,000	\$ 8,535,100	\$ 3,363,800	\$ 39,933,400
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$	\$ -	\$ 17,700	\$ -	\$ -	\$ 100,000	\$ 117,700	\$ -
Summer Energy Challenge			\$	\$ 40,000	\$ 444,600	\$ 158,400	\$ 49,600	\$ 692,600	\$ 600,000	\$ 1,292,600
Controlled Environment Agriculture			\$	\$ 16,600	\$ 240,000	\$ -	\$ 20,000	\$ 276,600	\$ -	\$ 276,600
PIDO Universities			\$	\$ 91,000	\$ 855,600	\$ 591,600	\$ 85,000	\$ 1,627,800	\$ 150,000	\$ 1,772,900
PIDO Programs Subtotal			\$	\$ 166,200	\$ 1,540,000	\$ 750,000	\$ 255,600	\$ 2,714,700	\$ 750,000	\$ 3,464,700

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$14.6 Million for residential and \$0.57 Million for commercial for 2024.

Table ES-3A Gross Middle Scenario
EmPOWER Maryland 2024-2026 Scenario Budgets

Program Year: 2024		Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs											
Residential EE&C Programs											
Energy Efficient Products	EE			\$ 345,500	\$ 1,545,200	\$ 735,000	\$ 153,100	\$ 2,778,800	\$ 2,321,401	\$ 5,100,201	
Appliance Rebates	EE			\$ 250,500	\$ 1,302,000	\$ 371,100	\$ 118,600	\$ 2,042,600	\$ 1,908,205	\$ 3,950,805	
Appliance Recycling	EE			\$ 94,600	\$ 243,200	\$ 363,900	\$ 34,500	\$ 736,200	\$ 413,196	\$ 1,149,396	
Home Retrofit	EE			\$ 873,300	\$ 2,421,100	\$ 1,125,400	\$ 695,700	\$ 5,115,500	\$ 18,089,067	\$ 23,184,567	
Quick Home Energy Check-Up	EE			\$ 235,400	\$ 617,100	\$ 417,800	\$ 205,500	\$ 1,479,800	\$ 5,502,388	\$ 6,982,188	
Home Performance	EE			\$ 176,000	\$ 692,100	\$ 354,100	\$ 363,600	\$ 1,569,400	\$ 12,119,982	\$ 12,119,982	
HVAC Rebates	EE			\$ 244,300	\$ 1,067,400	\$ 353,500	\$ 93,500	\$ 1,768,700	\$ 1,356,175	\$ 3,114,875	
School and Education	EE			\$ 214,000	\$ 44,500	\$ -	\$ 29,100	\$ 287,600	\$ 679,912	\$ 967,512	
Residential New Construction	EE			\$ 82,900	\$ 214,500	\$ 291,600	\$ 44,300	\$ 553,600	\$ 692,275	\$ 1,475,875	
Efficiency for Affordable Housing	EE			\$ 108,700	\$ 1,550,000	\$ 600,000	\$ 227,200	\$ 2,485,900	\$ 5,085,815	\$ 7,571,715	
Behavioral	EE			\$ 425,000	\$ 1,458,200	\$ -	\$ 58,300	\$ 1,941,500	\$ -	\$ 1,941,500	
DHCD Cross Promotion	EE			\$ -	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal				\$ 1,876,400	\$ 7,189,000	\$ 2,832,300	\$ 1,178,600	\$ 13,075,300	\$ 26,368,658	\$ 39,433,858	
Energy Efficient Products	Electrification			\$ 56,000	\$ 185,000	\$ 90,000	\$ 11,300	\$ 342,300	\$ 31,873	\$ 373,873	
Appliance Rebates (Electrification)	Electrification			\$ 56,000	\$ 185,000	\$ 90,000	\$ 11,300	\$ 342,300	\$ 31,873	\$ 373,873	
Residential Electrification Programs Subtotal	Electrification			\$ 56,000	\$ 185,000	\$ 90,000	\$ 11,300	\$ 342,300	\$ 31,873	\$ 373,873	
Commercial and Industrial EE&C Programs											
Small Business	EE			\$ 426,500	\$ 2,973,100	\$ 721,900	\$ 411,700	\$ 4,533,200	\$ 16,048,028	\$ 20,581,228	
Commercial Customer Engagement Portal	EE			\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE			\$ 893,600	\$ 6,175,300	\$ 1,199,400	\$ 923,100	\$ 9,101,400	\$ 21,954,766	\$ 31,956,166	
Prescriptive	EE			\$ 242,400	\$ 2,186,100	\$ 331,200	\$ 502,900	\$ 3,264,600	\$ 13,498,338	\$ 16,762,938	
Custom	EE			\$ 197,400	\$ 2,378,800	\$ 517,300	\$ 264,800	\$ 3,358,300	\$ 5,467,228	\$ 8,825,528	
Virtual Commissioning	EE			\$ 181,900	\$ 885,500	\$ -	\$ 33,100	\$ 1,100,500	\$ -	\$ 1,100,500	
Retrocommissioning and Building Tune-Up	EE			\$ 101,900	\$ 722,600	\$ 350,500	\$ 122,300	\$ 1,378,000	\$ 2,989,200	\$ 4,367,200	
Combined Heat and Power	EE			\$ 158,600	\$ 177,300	\$ 111,400	\$ 137,600	\$ 584,900	\$ 4,000,000	\$ 4,584,900	
Commercial Midstream	EE			\$ 200,900	\$ 469,400	\$ 194,400	\$ 172,000	\$ 1,036,700	\$ 4,696,359	\$ 5,733,059	
Energy Efficient Communities	EE			\$ 196,100	\$ 549,000	\$ 173,200	\$ 73,000	\$ 991,300	\$ 1,441,875	\$ 2,433,175	
Commercial and Industrial EE&C Programs Subtotal				\$ 1,993,700	\$ 11,160,000	\$ 3,520,300	\$ 1,766,000	\$ 17,331,000	\$ 48,141,028	\$ 65,472,028	
Commercial Building Electrification	Electrification			\$ 150,000	\$ 400,000	\$ 175,000	\$ 43,500	\$ 768,500	\$ 679,117	\$ 1,447,617	
Commercial and Industrial Electrification Programs Subtotal	Electrification			\$ 150,000	\$ 400,000	\$ 175,000	\$ 43,500	\$ 768,500	\$ 679,117	\$ 1,447,617	
Energy Efficiency and Conservation Subtotal				\$ 3,982,100	\$ 18,934,000	\$ 5,617,600	\$ 2,953,400	\$ 31,617,100	\$ 75,210,276	\$ 106,727,376	
Demand Response Programs											
Residential Demand Response Program				\$ 1,050,200	\$ 4,488,700		\$ 3,038,600	\$ 403,700	\$ 8,981,200	\$ 11,202,505	\$ 20,183,705
Small Commercial Demand Response Program				\$ 159,600	\$ 210,900		\$ 143,900	\$ 31,500	\$ 545,900	\$ 604,080	\$ 1,049,980
Demand Response Programs Subtotal				\$ 1,209,800	\$ 4,699,600	\$ -	\$ -	\$ 3,182,500	\$ 435,200	\$ 9,627,100	\$ 11,706,585
Other Programs											
Conservation Voltage Reduction				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total											
All Program Total				\$ 1,209,800	\$ 4,699,600	\$ 3,982,100	\$ 18,934,000	\$ 8,800,100	\$ 3,418,600	\$ 41,044,200	\$ 86,916,861
Total Plan EE and DR Only (Exclude Electrification)				\$ 1,209,800	\$ 4,699,600	\$ 3,716,100	\$ 18,349,000	\$ 8,535,100	\$ 3,363,800	\$ 39,933,400	\$ 86,296,171
Program Investigation Development and Design (PIDD)											
Energy Engineers				\$ 17,700	\$ -	\$ -	\$ -	\$ 100,000	\$ 117,700	\$ -	\$ 117,700
Summer Energy Challenge				\$ 40,000	\$ 444,600	\$ 158,400	\$ 49,600	\$ 692,600	\$ 600,000	\$ 1,292,600	
Controlled Environment Agriculture				\$ 16,600	\$ 240,000	\$ -	\$ -	\$ 20,000	\$ 276,600	\$ -	\$ 276,600
PIDD Unidentified				\$ 91,900	\$ 855,400	\$ 591,600	\$ 88,900	\$ 1,627,800	\$ 150,000	\$ 1,777,800	
PIDD Programs Subtotal				\$ 166,200	\$ 1,540,000	\$ 750,000	\$ 750,000	\$ 258,500	\$ 2,714,700	\$ 750,000	\$ 3,464,700

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$14.8 Million for residential and \$0.57 Million for commercial for 2024.

Table ES-3A Gross Maximum Scenario
EmPOWER Maryland 2024-2026 Scenario Budgets

Program Year: 2024	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 541,400	\$ 1,805,600	\$ 973,300	\$ 217,800	\$ 3,638,100	\$ 3,716,508	\$ 7,254,608	
Appliance Rebates	EE		\$ 393,200	\$ 1,562,400	\$ 501,800	\$ 175,200	\$ 2,632,600	\$ 3,204,765	\$ 5,837,365	
Appliance Recycling	EE		\$ 148,200	\$ 243,200	\$ 471,500	\$ 42,800	\$ 905,500	\$ 511,743	\$ 1,417,243	
Home Retrofit	EE		\$ 1,365,200	\$ 2,919,000	\$ 1,458,400	\$ 988,700	\$ 6,731,300	\$ 26,220,730	\$ 32,952,030	
Quick Home Energy Check-Up	EE		\$ 368,900	\$ 673,200	\$ 541,400	\$ 225,200	\$ 1,812,700	\$ 5,625,945	\$ 7,636,645	
Home Performance	EE		\$ 281,400	\$ 885,100	\$ 458,900	\$ 576,900	\$ 2,182,300	\$ 17,047,685	\$ 19,229,685	
HVAC Rebates	EE		\$ 382,700	\$ 1,334,200	\$ 458,100	\$ 140,000	\$ 2,315,000	\$ 2,348,988	\$ 4,663,988	
School and Education	EE		\$ 332,200	\$ 46,500	\$ -	\$ 42,600	\$ 421,300	\$ 998,112	\$ 1,419,412	
Residential New Construction	EE		\$ 135,700	\$ 224,200	\$ 326,500	\$ 58,800	\$ 739,200	\$ 1,210,350	\$ 1,958,550	
Efficiency for Affordable Housing	EE		\$ 179,300	\$ 2,000,000	\$ 900,000	\$ 1,141,900	\$ 4,221,200	\$ 33,839,000	\$ 38,060,200	
Behavioral	EE		\$ 666,000	\$ 1,562,400	\$ -	\$ 69,000	\$ 2,297,400	\$ -	\$ 2,297,400	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal	EE		\$ 2,921,600	\$ 6,511,200	\$ 3,778,200	\$ 2,476,200	\$ 17,687,200	\$ 64,995,088	\$ 82,682,788	
Energy Efficient Products										
Appliance Rebates (Electrification)	Electrification		\$ 92,000	\$ 185,000	\$ 90,000	\$ 12,400	\$ 379,400	\$ 31,673	\$ 410,973	
Residential Electrification Programs Subtotal	Electrification		\$ 92,000	\$ 185,000	\$ 90,000	\$ 12,400	\$ 379,400	\$ 31,673	\$ 410,973	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 682,200	\$ 3,307,100	\$ 886,000	\$ 911,900	\$ 5,767,000	\$ 39,624,692	\$ 45,591,692	
Commercial Customer Engagement Portal	EE		\$ 170,700	\$ 815,900	\$ 120,000	\$ 34,300	\$ 1,140,900	\$ -	\$ 1,140,900	
Efficient Business Solutions	EE		\$ 1,247,300	\$ 7,994,000	\$ 1,591,200	\$ 2,141,200	\$ 12,973,700	\$ 58,809,945	\$ 71,783,645	
Prescriptive	EE		\$ 376,300	\$ 2,785,200	\$ 424,000	\$ 1,112,000	\$ 4,697,500	\$ 32,398,995	\$ 37,096,495	
Custom	EE		\$ 306,400	\$ 2,712,500	\$ 662,100	\$ 797,100	\$ 4,478,100	\$ 22,056,763	\$ 26,568,663	
Virtual Commissioning	EE		\$ 282,300	\$ 1,562,700	\$ -	\$ 58,000	\$ 1,933,000	\$ -	\$ 1,933,000	
Retrocommissioning and Building Tune-Up	EE		\$ 262,300	\$ 993,600	\$ 505,100	\$ 174,100	\$ 1,865,100	\$ 4,350,216	\$ 6,215,316	
Combined Heat and Power	EE		\$ 246,100	\$ 177,300	\$ 162,600	\$ 141,300	\$ 707,300	\$ 4,000,000	\$ 4,707,300	
Commercial Midstream	EE		\$ 311,900	\$ 719,700	\$ 248,800	\$ 205,400	\$ 1,485,800	\$ 5,358,081	\$ 6,843,881	
Energy Efficient Communities	EE		\$ 304,500	\$ 627,400	\$ 221,700	\$ 140,600	\$ 1,294,200	\$ 3,389,827	\$ 4,684,027	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,842,500	\$ 13,041,400	\$ 3,210,300	\$ 3,574,700	\$ 23,368,000	\$ 111,352,545	\$ 134,751,445	
Commercial Building Electrification										
Commercial Building Electrification	Electrification		\$ 245,500	\$ 400,000	\$ 175,000	\$ 45,500	\$ 868,000	\$ 679,117	\$ 1,547,117	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 245,500	\$ 400,000	\$ 175,000	\$ 45,500	\$ 868,000	\$ 679,117	\$ 1,547,117	
Energy Efficiency and Conservation Subtotal			\$ 6,202,600	\$ 22,737,600	\$ 7,253,500	\$ 6,109,800	\$ 42,303,600	\$ 177,088,823	\$ 219,392,323	
Demand Response Programs										
Residential Demand Response Program			\$ 1,050,200	\$ 4,488,700	\$ -	\$ 3,038,600	\$ 403,700	\$ 8,981,200	\$ 11,202,505	\$ 20,183,705
Small Commercial Demand Response Program			\$ 159,600	\$ 210,900	\$ -	\$ 143,900	\$ 31,500	\$ 645,900	\$ 504,080	\$ 1,049,980
Demand Response Programs Subtotal			\$ 1,209,800	\$ 4,699,600	\$ -	\$ 3,182,500	\$ 435,200	\$ 9,627,100	\$ 11,706,585	\$ 21,233,685
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,209,800	\$ 4,699,600	\$ 6,202,600	\$ 22,737,600	\$ 10,436,000	\$ 6,545,000	\$ 51,830,600	\$ 188,795,408
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,209,800	\$ 4,699,600	\$ 5,864,100	\$ 22,152,600	\$ 10,171,000	\$ 6,486,100	\$ 50,683,200	\$ 238,667,818
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$ 28,300	\$ -	\$ -	\$ -	\$ 100,000	\$ 126,300	\$ -	\$ 126,300
Summer Energy Challenge			\$ 59,300	\$ 444,600	\$ 158,400	\$ 49,600	\$ 711,900	\$ 600,000	\$ 1,311,900	
Controlled Environment Agriculture			\$ 24,600	\$ 240,000	\$ 240,000	\$ -	\$ -	\$ -	\$ 284,600	
PIDO Unidentified			\$ 136,400	\$ 855,400	\$ 591,600	\$ 91,300	\$ 1,674,700	\$ 150,000	\$ 1,824,700	
PIDO Programs Subtotal			\$ 248,600	\$ 1,540,000	\$ 750,000	\$ 265,900	\$ 2,797,600	\$ 786,000	\$ 3,547,500	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$14.6 Million for residential and \$0.57 Million for commercial for 2024.

Table ES-3B Gross 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2025	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 381,000	\$ 1,899,700	\$ 812,600	\$ 171,100	\$ 3,064,400	\$ 2,635,981	\$ 5,700,361	
Appliance Rebates	EE		\$ 276,700	\$ 1,432,200	\$ 410,300	\$ 134,300	\$ 2,253,500	\$ 2,222,765	\$ 4,476,265	
Appliance Recycling	EE		\$ 104,300	\$ 267,500	\$ 402,300	\$ 36,800	\$ 810,900	\$ 413,196	\$ 1,224,096	
Home Retrofit	EE		\$ 962,400	\$ 2,663,100	\$ 1,244,300	\$ 719,600	\$ 5,689,400	\$ 16,389,315	\$ 23,978,715	
Quick Home Energy Check-Up	EE		\$ 259,600	\$ 676,800	\$ 461,900	\$ 210,000	\$ 1,610,300	\$ 5,387,113	\$ 6,997,413	
Home Performance	EE		\$ 198,000	\$ 761,300	\$ 391,500	\$ 378,100	\$ 1,729,900	\$ 10,904,790	\$ 12,634,690	
HVAC Rebates	EE		\$ 269,300	\$ 1,174,100	\$ 390,900	\$ 100,600	\$ 1,934,900	\$ 1,417,500	\$ 3,352,400	
School and Education	EE		\$ 235,500	\$ 46,900	\$ -	\$ 29,900	\$ 314,300	\$ 679,912	\$ 994,212	
Residential New Construction	EE		\$ 51,300	\$ 235,900	\$ 278,600	\$ 47,900	\$ 663,700	\$ 941,325	\$ 1,595,025	
Efficiency for Affordable Housing	EE		\$ 119,500	\$ 1,503,500	\$ 660,000	\$ 528,200	\$ 2,811,200	\$ 14,792,800	\$ 17,604,000	
Behavioral	EE		\$ 468,700	\$ 1,604,000	\$ -	\$ 64,200	\$ 2,136,900	\$ -	\$ 2,136,900	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 160,000	\$ -	\$ 160,000
Residential Programs Subtotal	EE		\$ 2,062,900	\$ 7,706,200	\$ 3,115,500	\$ 1,631,000	\$ 14,415,600	\$ 36,789,401	\$ 51,175,001	
Energy Efficient Products	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Appliance Rebates (Electrification)	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Residential Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 469,100	\$ 3,290,400	\$ 794,100	\$ 420,500	\$ 4,974,100	\$ 16,048,028	\$ 21,022,128	
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE		\$ 883,900	\$ 6,895,600	\$ 1,339,300	\$ 1,077,800	\$ 10,106,600	\$ 26,131,936	\$ 36,237,636	
Prescriptive	EE		\$ 266,600	\$ 2,427,000	\$ 364,300	\$ 573,300	\$ 3,636,200	\$ 15,637,886	\$ 19,274,086	
Custom	EE		\$ 217,100	\$ 2,634,600	\$ 569,000	\$ 330,100	\$ 3,750,800	\$ 7,251,350	\$ 11,002,150	
Virtual Commissioning	EE		\$ 200,100	\$ 948,800	\$ -	\$ 35,600	\$ 1,184,500	\$ -	\$ 1,184,500	
Retroscreening and Building Tune-Up	EE		\$ 290,100	\$ 755,200	\$ 130,600	\$ 136,600	\$ 1,295,100	\$ 3,241,900	\$ 4,739,900	
Combined Heat and Power	EE		\$ 114,400	\$ 196,000	\$ 122,500	\$ 136,000	\$ 631,900	\$ 4,000,000	\$ 4,631,900	
Commercial Midstream	EE		\$ 221,000	\$ 516,300	\$ 213,900	\$ 178,900	\$ 1,131,100	\$ 4,864,359	\$ 5,995,459	
Energy Efficient Communities	EE		\$ 215,700	\$ 603,900	\$ 190,500	\$ 106,000	\$ 1,116,100	\$ 2,415,220	\$ 3,531,320	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,679,100	\$ 12,228,100	\$ 2,760,300	\$ 1,956,800	\$ 19,043,300	\$ 53,456,643	\$ 72,501,943	
Commercial Building Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency and Conservation Subtotal			\$ 4,142,000	\$ 19,934,300	\$ 5,895,800	\$ 3,486,800	\$ 33,458,900	\$ 90,218,044	\$ 123,676,944	
Demand Response Programs										
Residential Demand Response Program			\$ 1,137,200	\$ 4,817,600	\$ -	\$ 3,302,400	\$ 418,600	\$ 9,675,800	\$ 11,252,505	\$ 20,928,305
Small Commercial Demand Response Program			\$ 175,500	\$ 232,000	\$ -	\$ 158,300	\$ 33,100	\$ 598,000	\$ 504,080	\$ 1,102,980
Demand Response Programs Subtotal			\$ 1,312,700	\$ 5,049,600	\$ -	\$ 3,460,700	\$ 451,700	\$ 10,274,700	\$ 11,756,585	\$ 22,031,285
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,312,700	\$ 5,049,600	\$ 4,142,000	\$ 19,934,300	\$ 9,356,600	\$ 3,938,600	\$ 43,733,600	\$ 161,974,629
Total Plan EE and DR Only (Excludes Electrification)			\$ 1,312,700	\$ 5,049,600	\$ 4,142,000	\$ 19,934,300	\$ 9,356,600	\$ 3,938,600	\$ 43,733,600	\$ 161,974,629
Program Investigation Development and Design (PIDD)										
Energy Engineers			\$ 16,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 111,600	\$ -	\$ 111,600
Summer Energy Challenge			\$ 35,900	\$ 339,300	\$ 137,700	\$ 44,400	\$ 657,300	\$ 600,000	\$ 1,157,300	
Controlled Environment Agriculture			\$ 16,800	\$ 160,000	\$ -	\$ 18,000	\$ 194,800	\$ -	\$ 194,800	
PIDD Unidentified			\$ 113,700	\$ 1,040,700	\$ 612,300	\$ 100,900	\$ 1,867,600	\$ 150,000	\$ 2,017,600	
PIDD Programs Subtotal			\$ 182,600	\$ 1,540,000	\$ 750,000	\$ 258,300	\$ 2,731,100	\$ 760,000	\$ 3,481,100	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$21.9 Million for residential and \$0.85 Million for commercial for 2025.

Table ES-3B Gross Middle Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2025	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 381,000	\$ 1,899,700	\$ 812,600	\$ 171,100	\$ 3,064,400	\$ 2,635,961	\$ 5,700,361	
Appliance Rebates	EE		\$ 276,700	\$ 1,432,200	\$ 410,300	\$ 134,300	\$ 2,253,500	\$ 2,222,765	\$ 4,476,265	
Appliance Recycling	EE		\$ 104,300	\$ 267,500	\$ 402,300	\$ 36,800	\$ 810,900	\$ 413,198	\$ 1,224,098	
Home Retrofits	EE		\$ 962,400	\$ 2,663,100	\$ 1,244,300	\$ 719,600	\$ 5,589,400	\$ 18,389,315	\$ 23,978,715	
Quick Home Energy Check-Up	EE		\$ 258,600	\$ 678,800	\$ 461,900	\$ 210,000	\$ 1,610,300	\$ 5,387,113	\$ 6,997,413	
Home Performance	EE		\$ 198,000	\$ 761,300	\$ 361,500	\$ 376,100	\$ 1,729,900	\$ 10,964,790	\$ 12,694,690	
HVAC Rebates	EE		\$ 269,300	\$ 1,174,100	\$ 390,900	\$ 100,600	\$ 1,934,900	\$ 1,417,500	\$ 3,352,400	
School and Education	EE		\$ 235,500	\$ 48,900	\$ -	\$ 29,900	\$ 314,300	\$ 679,912	\$ 994,212	
Residential New Construction	EE		\$ 51,300	\$ 235,900	\$ 278,600	\$ 47,900	\$ 653,700	\$ 941,325	\$ 1,595,025	
Efficiency for Affordable Housing	EE		\$ 119,500	\$ 1,503,500	\$ 660,000	\$ 528,200	\$ 2,811,200	\$ 14,792,800	\$ 17,604,000	
Behavioral	EE		\$ 468,700	\$ 1,604,000	\$ -	\$ 64,200	\$ 2,136,900	\$ -	\$ 2,136,900	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal	EE		\$ 2,062,900	\$ 7,706,200	\$ 3,115,600	\$ 1,631,000	\$ 14,415,600	\$ 36,789,401	\$ 81,175,001	
Energy Efficient Products										
Appliance Rebates (Electrification)	Electrification		\$ 60,000	\$ 195,000	\$ 90,000	\$ 12,600	\$ 347,600	\$ 70,006	\$ 417,606	
Residential Electrification Programs Subtotal	Electrification		\$ 60,000	\$ 195,000	\$ 90,000	\$ 12,600	\$ 347,600	\$ 70,006	\$ 417,606	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 469,100	\$ 3,290,400	\$ 794,100	\$ 420,500	\$ 4,974,100	\$ 16,048,028	\$ 21,022,128	
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE		\$ 883,900	\$ 6,805,600	\$ 1,339,300	\$ 1,077,800	\$ 10,106,600	\$ 26,131,036	\$ 36,237,636	
Prescriptive	EE		\$ 266,600	\$ 2,427,000	\$ 364,300	\$ 576,300	\$ 3,636,200	\$ 15,637,695	\$ 19,274,095	
Custom	EE		\$ 217,100	\$ 2,634,600	\$ 569,000	\$ 335,100	\$ 3,759,800	\$ 7,251,350	\$ 11,002,150	
Virtual Commissioning	EE		\$ 200,100	\$ 948,800	\$ -	\$ 35,600	\$ 1,184,500	\$ -	\$ 1,184,500	
Retrocommissioning and Building Tune-Up	EE		\$ 200,100	\$ 795,200	\$ 496,000	\$ 133,600	\$ 1,555,100	\$ 3,241,900	\$ 4,796,800	
Combined Heat and Power	EE		\$ 174,400	\$ 196,000	\$ 122,500	\$ 136,000	\$ 631,900	\$ 4,060,000	\$ 4,891,900	
Commercial Midstream	EE		\$ 221,000	\$ 516,300	\$ 213,900	\$ 179,900	\$ 1,131,100	\$ 4,864,359	\$ 5,995,459	
Energy Efficient Communities	EE		\$ 215,700	\$ 603,900	\$ 190,500	\$ 106,000	\$ 1,116,100	\$ 2,415,220	\$ 3,531,320	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,679,100	\$ 12,228,100	\$ 2,710,300	\$ 1,956,900	\$ 19,043,300	\$ 61,458,643	\$ 72,501,943	
Commercial Building Electrification	Electrification		\$ 150,000	\$ 450,000	\$ 175,000	\$ 69,300	\$ 844,300	\$ 1,465,219	\$ 2,309,519	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 150,000	\$ 450,000	\$ 175,000	\$ 69,300	\$ 844,300	\$ 1,465,219	\$ 2,309,519	
Energy Efficiency and Conservation Subtotal			\$ 4,342,000	\$ 20,679,300	\$ 6,160,800	\$ 3,668,700	\$ 34,650,900	\$ 91,753,269	\$ 126,404,069	
Demand Response Programs										
Residential Demand Response Program			\$ 1,137,200	\$ 4,817,600	\$ -	\$ 3,302,400	\$ 418,600	\$ 9,675,800	\$ 11,252,505	\$ 20,928,305
Small Commercial Demand Response Program			\$ 175,500	\$ 232,000	\$ -	\$ 158,300	\$ 33,100	\$ 598,000	\$ 504,080	\$ 1,102,080
Demand Response Programs Subtotal			\$ 1,312,700	\$ 5,049,600	\$ -	\$ 3,460,700	\$ 451,700	\$ 10,274,700	\$ 11,756,585	\$ 22,031,285
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,312,700	\$ 5,049,600	\$ 4,342,000	\$ 20,679,300	\$ 9,621,600	\$ 44,925,600	\$ 163,509,854	\$ 148,435,354
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,312,700	\$ 5,049,600	\$ 4,142,000	\$ 19,934,300	\$ 9,356,600	\$ 43,733,600	\$ 161,974,629	\$ 146,708,229
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$ 16,600	\$ -	\$ -	\$ -	\$ 86,000	\$ 111,600	\$ -	\$ 111,600
Summer Energy Challenge			\$ 35,900	\$ 339,300	\$ 137,700	\$ 44,400	\$ 667,300	\$ 600,000	\$ 1,167,300	
Controlled Environment Agriculture			\$ 16,600	\$ -	\$ -	\$ -	\$ 194,600	\$ -	\$ 194,600	
PIDO Unidentified			\$ 113,700	\$ 1,040,700	\$ 612,300	\$ 100,900	\$ 1,867,600	\$ 150,000	\$ 2,017,600	
PIDO Programs Subtotal			\$ 182,800	\$ 1,440,000	\$ 750,000	\$ 254,300	\$ 2,791,100	\$ 760,000	\$ 3,481,100	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$21.9 Million for residential and \$0.85 Million for commercial for 2025.

Table ES-3B Gross Maximum Scenario
EmPOWER Maryland 2024-2026 Scenario Budgets

Program Year: 2025	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 596,400	\$ 1,986,100	\$ 1,074,800	\$ 228,600	\$ 3,885,900	\$ 3,731,508	\$ 7,617,408	
Appliance Rebates	EE		\$ 433,100	\$ 1,718,600	\$ 554,100	\$ 183,300	\$ 2,889,100	\$ 3,219,765	\$ 6,108,865	
Appliance Recycling	EE		\$ 163,300	\$ 267,500	\$ 520,700	\$ 45,300	\$ 996,800	\$ 511,743	\$ 1,508,543	
Home Retrofit	EE		\$ 1,803,800	\$ 3,210,900	\$ 1,610,700	\$ 1,047,200	\$ 7,372,400	\$ 27,527,724	\$ 34,900,124	
Quick Home Energy Check-Up	EE		\$ 406,400	\$ 740,500	\$ 597,900	\$ 257,500	\$ 2,002,300	\$ 6,580,177	\$ 8,582,477	
Home Performance	EE		\$ 309,900	\$ 951,600	\$ 506,800	\$ 594,600	\$ 2,362,800	\$ 17,455,185	\$ 19,818,085	
HVAC Rebates	EE		\$ 421,700	\$ 1,467,600	\$ 506,000	\$ 151,300	\$ 2,546,600	\$ 2,494,250	\$ 5,040,850	
School and Education	EE		\$ 365,600	\$ 51,200	\$ -	\$ 43,800	\$ 460,600	\$ 998,112	\$ 1,458,712	
Residential New Construction	EE		\$ 143,000	\$ 246,600	\$ 360,500	\$ 64,700	\$ 814,800	\$ 1,339,225	\$ 2,154,625	
Efficiency for Affordable Housing	EE		\$ 197,200	\$ 2,200,000	\$ 990,000	\$ 2,197,900	\$ 5,585,100	\$ 67,678,000	\$ 73,263,100	
Behavioral	EE		\$ 733,700	\$ 1,718,600	\$ -	\$ 75,900	\$ 2,528,200	\$ -	\$ 2,528,200	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal	EE		\$ 3,213,900	\$ 9,362,200	\$ 4,156,600	\$ 3,614,300	\$ 20,346,400	\$ 100,276,457	\$ 120,622,857	
Energy Efficient Products	Electrification		\$ 82,200	\$ 195,000	\$ 90,000	\$ 13,600	\$ 380,800	\$ 70,008	\$ 450,808	
Appliance Rebates (Electrification)	Electrification		\$ 82,200	\$ 195,000	\$ 90,000	\$ 13,600	\$ 380,800	\$ 70,008	\$ 450,808	
Residential Electrification Programs Subtotal	Electrification		\$ 82,200	\$ 195,000	\$ 90,000	\$ 13,600	\$ 380,800	\$ 70,008	\$ 450,808	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 728,200	\$ 3,657,800	\$ 974,600	\$ 922,200	\$ 6,282,800	\$ 39,824,652	\$ 46,107,492	
Commercial Customer Engagement Portal	EE		\$ 170,700	\$ 815,900	\$ 120,000	\$ 34,300	\$ 1,140,900	\$ -	\$ 1,140,900	
Efficient Business Solutions	EE		\$ 1,371,900	\$ 8,849,000	\$ 1,770,300	\$ 2,486,700	\$ 14,471,900	\$ 68,665,596	\$ 83,137,496	
Prescriptive	EE		\$ 413,900	\$ 3,083,700	\$ 466,400	\$ 1,259,600	\$ 5,223,800	\$ 36,780,170	\$ 41,983,770	
Custom	EE		\$ 337,000	\$ 3,001,700	\$ 728,300	\$ 964,600	\$ 5,031,600	\$ 27,120,188	\$ 32,151,788	
Virtual Commissioning	EE		\$ 310,500	\$ 1,769,600	\$ -	\$ 64,400	\$ 2,144,500	\$ -	\$ 2,144,500	
Retrocommissioning and Building Tune-Up	EE		\$ 310,500	\$ 894,000	\$ 575,600	\$ 192,100	\$ 2,072,200	\$ 4,785,238	\$ 6,857,438	
Combined Heat and Power	EE		\$ 270,800	\$ 196,000	\$ 143,000	\$ 766,600	\$ 4,000,000	\$ 4,766,500	\$ 4,766,500	
Commercial Midstream	EE		\$ 342,900	\$ 791,600	\$ 273,700	\$ 216,100	\$ 1,624,300	\$ 5,578,081	\$ 7,202,381	
Energy Efficient Communities	EE		\$ 334,900	\$ 690,200	\$ 243,800	\$ 187,600	\$ 1,458,500	\$ 4,756,522	\$ 6,253,022	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 3,219,400	\$ 15,000,500	\$ 3,539,200	\$ 3,983,900	\$ 25,743,000	\$ 122,864,891	\$ 148,607,891	
Commercial Building Electrification	Electrification		\$ 248,500	\$ 450,000	\$ 175,000	\$ 72,300	\$ 943,800	\$ 1,465,219	\$ 2,409,019	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 248,500	\$ 450,000	\$ 175,000	\$ 72,300	\$ 943,800	\$ 1,465,219	\$ 2,409,019	
Energy Efficiency and Conservation Subtotal			\$ 6,762,000	\$ 25,007,700	\$ 7,960,200	\$ 7,684,100	\$ 47,414,000	\$ 224,676,573	\$ 272,090,573	
Demand Response Programs										
Residential Demand Response Program			\$ 1,137,200	\$ 4,817,600		\$ 3,302,400	\$ 418,600	\$ 9,675,800	\$ 11,252,505	\$ 20,928,305
Small Commercial Demand Response Program			\$ 175,500	\$ 232,000		\$ 158,300	\$ 33,100	\$ 598,000	\$ 504,080	\$ 1,102,980
Demand Response Programs Subtotal			\$ 1,312,700	\$ 5,049,600	\$ -	\$ 3,460,700	\$ 451,700	\$ 10,274,700	\$ 11,756,585	\$ 22,031,285
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,312,700	\$ 5,049,600	\$ 6,762,000	\$ 25,007,700	\$ 11,420,900	\$ 87,688,700	\$ 236,433,158	\$ 294,121,858
Total Plan EE and DR Only (Excludes Electrification)			\$ 1,312,700	\$ 5,049,600	\$ 6,433,300	\$ 24,362,700	\$ 11,155,900	\$ 86,364,100	\$ 234,897,933	\$ 291,262,033
Program Investigation Development and Design (PIDD)										
Energy Engineers			\$ 24,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 119,600	\$ -	\$ 119,600
Summer Energy Challenge			\$ 53,200	\$ 339,300	\$ 137,700	\$ 44,400	\$ 574,600	\$ 600,000	\$ 1,174,600	
Controlled Environment Agriculture			\$ 24,800	\$ 160,000	\$ -	\$ 18,000	\$ 202,800	\$ -	\$ 202,800	
PIDD Unidentified			\$ 168,700	\$ 1,040,700	\$ 612,300	\$ 103,800	\$ 1,925,500	\$ 150,000	\$ 2,075,500	
PIDD Programs Subtotal			\$ 271,100	\$ 1,440,000	\$ 750,000	\$ 261,200	\$ 2,822,300	\$ 769,600	\$ 3,572,300	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$21.9 Million for residential and \$0.85 Million for commercial for 2025.

Table ES-3C Gross 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Budgets											
Program Year: 2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs	
Energy Efficiency and Conservation Programs											
Residential EE&C Programs											
Energy Efficient Products	EE		\$ 392,700	\$ 1,750,700	\$ 838,300	\$ 173,800	\$ 3,155,500	\$ 2,635,961	\$ 5,791,461		
Appliance Rebates	EE		\$ 285,200	\$ 1,475,200	\$ 423,300	\$ 136,300	\$ 2,320,000	\$ 2,222,765	\$ 4,542,765		
Appliance Recycling	EE		\$ 107,500	\$ 275,500	\$ 415,000	\$ 37,500	\$ 835,500	\$ 413,196	\$ 1,248,696		
Home Retrofit	EE		\$ 991,900	\$ 2,743,000	\$ 1,283,600	\$ 723,000	\$ 5,741,500	\$ 18,351,894	\$ 24,093,394		
Quick Home Energy Check-Up	EE		\$ 267,600	\$ 699,200	\$ 476,500	\$ 200,500	\$ 1,649,800	\$ 5,231,932	\$ 6,881,732		
Home Performance	EE		\$ 204,100	\$ 784,100	\$ 403,900	\$ 382,700	\$ 1,774,800	\$ 10,979,790	\$ 12,754,590		
HVAC Rebates	EE		\$ 277,600	\$ 1,209,300	\$ 403,200	\$ 103,700	\$ 1,993,800	\$ 1,460,250	\$ 3,454,050		
School and Education	EE		\$ 242,600	\$ 50,400	\$ -	\$ 30,100	\$ 323,100	\$ 679,912	\$ 1,003,012		
Residential New Construction	EE		\$ 94,200	\$ 243,000	\$ 287,300	\$ 50,500	\$ 675,000	\$ 1,006,250	\$ 1,681,250		
Efficiency for Affordable Housing	EE		\$ 123,200	\$ 1,578,700	\$ 679,800	\$ 531,200	\$ 2,912,900	\$ 14,792,800	\$ 17,705,700		
Behavioral	EE		\$ 483,100	\$ 1,652,200	\$ -	\$ 66,100	\$ 2,201,400	\$ -	\$ 2,201,400		
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000		
Residential Programs Subtotal	EE		\$ 2,125,100	\$ 7,967,600	\$ 3,209,000	\$ 1,544,600	\$ 14,846,300	\$ 36,786,895	\$ 51,633,195		
Energy Efficient Products	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Appliance Rebates (Electrification)	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Residential Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Commercial and Industrial EE&C Programs											
Small Business	EE		\$ 483,200	\$ 3,395,100	\$ 818,000	\$ 423,400	\$ 5,119,700	\$ 16,048,028	\$ 21,167,728		
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500		
Efficient Business Solutions	EE		\$ 918,800	\$ 6,992,800	\$ 1,385,500	\$ 1,102,300	\$ 10,391,100	\$ 26,668,472	\$ 37,858,572		
Prescriptive	EE		\$ 274,600	\$ 2,505,800	\$ 375,300	\$ 585,800	\$ 3,741,500	\$ 15,784,509	\$ 19,526,009		
Custom	EE		\$ 223,700	\$ 2,719,100	\$ 586,100	\$ 345,500	\$ 3,874,400	\$ 7,642,163	\$ 11,516,563		
Virtual Commissioning	EE		\$ 206,100	\$ 948,800	\$ -	\$ 35,800	\$ 1,190,700	\$ -	\$ 1,190,700		
Retrocommissioning and Building Tune-Up	EE		\$ 206,100	\$ 819,100	\$ 424,100	\$ 135,200	\$ 1,584,500	\$ 3,241,800	\$ 4,826,300		
Combined Heat and Power	EE		\$ 179,600	\$ 202,200	\$ 126,200	\$ 139,500	\$ 847,500	\$ 4,000,000	\$ 4,847,500		
Commercial Midstream	EE		\$ 227,600	\$ 531,800	\$ 220,300	\$ 180,800	\$ 1,160,500	\$ 4,864,359	\$ 6,024,859		
Energy Efficient Communities	EE		\$ 222,200	\$ 622,000	\$ 196,200	\$ 105,000	\$ 1,145,400	\$ 2,392,820	\$ 3,498,320		
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,138,100	\$ 12,559,800	\$ 2,866,200	\$ 1,983,600	\$ 19,847,700	\$ 63,933,779	\$ 73,481,479		
Commercial Building Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency and Conservation Subtotal			\$ 4,263,200	\$ 20,527,400	\$ 6,075,200	\$ 3,528,200	\$ 34,394,000	\$ 90,720,674	\$ 125,114,674		
Demand Response Programs											
Residential Demand Response Program			\$ 1,165,900	\$ 4,926,100	\$ -	\$ 3,389,500	\$ 423,200	\$ 9,904,700	\$ 11,252,505	\$ 21,157,205	
Small Commercial Demand Response Program			\$ 180,800	\$ 239,000	\$ -	\$ 163,100	\$ 33,700	\$ 616,600	\$ 504,080	\$ 1,120,680	
Demand Response Programs Subtotal			\$ 1,346,700	\$ 5,165,100	\$ -	\$ 3,552,600	\$ 456,900	\$ 10,521,300	\$ 11,756,585	\$ 22,277,885	
Other Programs											
Conservation Voltage Reduction	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Beneficial Electrification			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
EmPOWER Maryland Portfolio Total											
All Program Total			\$ 1,346,700	\$ 5,165,100	\$ 4,263,200	\$ 20,527,400	\$ 6,627,800	\$ 3,985,100	\$ 44,915,300	\$ 102,477,259	\$ 147,392,559
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,346,700	\$ 5,165,100	\$ 4,263,200	\$ 20,527,400	\$ 6,627,800	\$ 3,985,100	\$ 44,915,300	\$ 102,477,259	\$ 147,392,559
Program Investigation Development and Design (PIDD)											
Energy Engineers			\$ 16,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 111,600	\$ -	\$ 111,600	
Summer Energy Challenge			\$ 35,900	\$ 339,300	\$ 137,700	\$ 44,400	\$ 557,300	\$ 600,000	\$ 1,157,300	\$ -	
Controlled Environment Agriculture			\$ 16,600	\$ 160,000	\$ -	\$ 18,000	\$ 194,600	\$ -	\$ 194,600	\$ -	
PIDD Unidentified			\$ 113,700	\$ 1,040,700	\$ 612,300	\$ 100,900	\$ 1,867,600	\$ 150,000	\$ -	\$ 2,017,600	
PIDD Programs Subtotal			\$ 182,800	\$ 1,540,000	\$ 750,000	\$ 258,300	\$ 2,731,100	\$ 750,600	\$ 3,481,100	\$ -	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$32.6 Million for residential and \$0.88 million for commercial for 2026.

Table ES-3C Gross Middle Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 392,700	\$ 1,750,700	\$ 838,300	\$ 173,800	\$ 3,155,500	\$ 2,635,961	\$ 5,791,461	
Appliance Rebates	EE		\$ 285,200	\$ 1,475,200	\$ 423,300	\$ 136,300	\$ 2,320,000	\$ 2,222,765	\$ 4,542,765	
Appliance Recycling	EE		\$ 107,500	\$ 275,500	\$ 415,000	\$ 37,500	\$ 835,500	\$ 413,198	\$ 1,248,698	
Home Retrofits	EE		\$ 991,800	\$ 2,743,000	\$ 1,283,600	\$ 723,000	\$ 5,741,500	\$ 18,351,884	\$ 24,093,384	
Quick Home Energy Check-Up	EE		\$ 267,800	\$ 699,200	\$ 476,500	\$ 206,500	\$ 1,649,600	\$ 5,231,932	\$ 6,881,732	
Home Performance	EE		\$ 204,100	\$ 784,100	\$ 403,800	\$ 382,700	\$ 1,774,800	\$ 10,979,790	\$ 12,754,590	
HVAC Rebates	EE		\$ 277,600	\$ 1,209,300	\$ 403,200	\$ 103,700	\$ 1,993,800	\$ 1,460,250	\$ 3,454,050	
School and Education	EE		\$ 242,600	\$ 50,400	\$ -	\$ 30,100	\$ 323,100	\$ 679,912	\$ 1,003,012	
Residential New Construction	EE		\$ 54,200	\$ 243,000	\$ 287,300	\$ 50,500	\$ 675,000	\$ 1,006,250	\$ 1,681,250	
Efficiency for Affordable Housing	EE		\$ 123,200	\$ 1,578,700	\$ 679,800	\$ 531,200	\$ 2,912,900	\$ 14,792,800	\$ 17,705,700	
Behavioral	EE		\$ 483,100	\$ 1,652,200	\$ -	\$ 66,100	\$ 2,201,400	\$ -	\$ 2,201,400	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal	EE		\$ 2,125,100	\$ 7,967,600	\$ 3,209,600	\$ 1,544,600	\$ 14,846,300	\$ 36,786,895	\$ 51,633,195	
Energy Efficient Products	Electrification		\$ 90,000	\$ 205,600	\$ 90,000	\$ 14,300	\$ 399,900	\$ 115,737	\$ 475,637	
Appliance Rebates (Electrification)	Electrification		\$ 60,000	\$ 205,600	\$ 90,000	\$ 14,300	\$ 399,900	\$ 115,737	\$ 475,637	
Residential Electrification Programs Subtotal	Electrification		\$ 90,000	\$ 205,600	\$ 90,000	\$ 14,300	\$ 399,900	\$ 115,737	\$ 475,637	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 483,200	\$ 3,395,100	\$ 818,900	\$ 423,400	\$ 5,119,700	\$ 16,048,028	\$ 21,167,728	
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE		\$ 910,900	\$ 6,992,800	\$ 1,385,800	\$ 1,102,300	\$ 10,391,100	\$ 26,668,472	\$ 37,059,572	
Prescriptive	EE		\$ 274,600	\$ 2,556,800	\$ 375,300	\$ 585,600	\$ 3,741,500	\$ 15,784,509	\$ 19,526,009	
Custom	EE		\$ 223,700	\$ 2,716,100	\$ 586,100	\$ 345,500	\$ 3,674,400	\$ 7,642,163	\$ 11,516,563	
Virtual Commissioning	EE		\$ 206,100	\$ 948,800	\$ -	\$ 35,800	\$ 1,190,700	\$ -	\$ 1,190,700	
Retrocommissioning and Building Tune-Up	EE		\$ 206,100	\$ 818,100	\$ 424,100	\$ 135,200	\$ 1,584,500	\$ 3,241,900	\$ 4,826,300	
Combined Heat and Power	EE		\$ 179,600	\$ 202,200	\$ 132,200	\$ 136,500	\$ 647,500	\$ 4,000,000	\$ 4,647,500	
Commercial Midstream	EE		\$ 227,600	\$ 531,800	\$ 220,300	\$ 180,800	\$ 1,160,500	\$ 4,864,359	\$ 6,024,859	
Energy Efficient Communities	EE		\$ 222,200	\$ 622,000	\$ 196,200	\$ 105,000	\$ 1,145,400	\$ 2,352,920	\$ 3,498,320	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,138,100	\$ 12,559,800	\$ 2,864,200	\$ 1,953,600	\$ 19,547,700	\$ 53,933,779	\$ 73,481,479	
Commercial Building Electrification	Electrification		\$ 150,000	\$ 550,000	\$ 175,000	\$ 100,100	\$ 975,100	\$ 2,360,255	\$ 3,335,355	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 150,000	\$ 550,000	\$ 175,000	\$ 100,100	\$ 975,100	\$ 2,360,255	\$ 3,335,355	
Energy Efficiency and Conservation Subtotal			\$ 4,463,200	\$ 21,283,000	\$ 6,340,200	\$ 3,642,600	\$ 35,729,000	\$ 93,196,646	\$ 128,925,666	
Demand Response Programs										
Residential Demand Response Program			\$ 1,165,900	\$ 4,926,100	\$ -	\$ 3,389,500	\$ 423,200	\$ 9,904,700	\$ 11,252,505	\$ 21,157,205
Small Commercial Demand Response Program			\$ 180,800	\$ 239,000	\$ -	\$ 183,100	\$ 33,700	\$ 616,600	\$ 504,080	\$ 1,120,680
Demand Response Programs Subtotal			\$ 1,346,700	\$ 5,165,100	\$ -	\$ 3,572,600	\$ 456,900	\$ 10,521,300	\$ 11,756,585	\$ 22,277,885
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,346,700	\$ 5,165,100	\$ 4,463,200	\$ 21,283,000	\$ 9,892,600	\$ 4,099,600	\$ 46,250,300	\$ 104,953,251
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,346,700	\$ 5,165,100	\$ 4,283,200	\$ 20,527,400	\$ 9,627,800	\$ 3,985,100	\$ 44,915,300	\$ 102,477,259
Program Investigation Development and Design (PIDO)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Engineers			\$ 16,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 111,600	\$ -	\$ 111,600
Summer Energy Challenge			\$ 35,900	\$ 339,300	\$ 137,700	\$ 44,400	\$ 567,300	\$ 600,000	\$ 1,157,300	
Controlled Environment Agriculture			\$ 16,600	\$ 160,000	\$ -	\$ -	\$ 194,600	\$ -	\$ 194,600	
PIDO Unidentified			\$ 113,700	\$ 1,040,700	\$ 612,300	\$ 100,900	\$ 1,867,600	\$ 150,000	\$ 2,017,600	
PIDO Programs Subtotal			\$ 182,800	\$ 1,540,000	\$ 750,000	\$ 750,000	\$ 254,300	\$ 2,791,100	\$ 750,000	\$ 3,481,100

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$32.6 Million for residential and \$0.88 Million for commercial for 2026.

Table ES-3C Gross Maximum Scenario
EmPOWER Maryland 2024-2026 Scenario Budgets

Program Year: 2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 614,400	\$ 2,045,700	\$ 1,108,400	\$ 232,100	\$ 4,000,600	\$ 3,731,508	\$ 7,732,108	
Appliance Rebates	EE		\$ 445,200	\$ 1,770,200	\$ 571,400	\$ 185,900	\$ 2,973,700	\$ 3,219,705	\$ 6,193,405	
Appliance Recycling	EE		\$ 168,200	\$ 275,500	\$ 537,000	\$ 48,200	\$ 1,026,900	\$ 811,743	\$ 1,538,643	
Home Retrofits	EE		\$ 1,548,900	\$ 3,307,300	\$ 1,680,800	\$ 1,068,400	\$ 7,585,400	\$ 28,017,399	\$ 35,602,799	
Quick Home Energy Check-Up	EE		\$ 418,700	\$ 762,800	\$ 616,500	\$ 259,200	\$ 2,067,200	\$ 6,580,177	\$ 8,637,377	
Home Performance	EE		\$ 319,300	\$ 986,100	\$ 522,600	\$ 608,900	\$ 2,430,900	\$ 17,862,685	\$ 20,293,585	
HVAC Rebates	EE		\$ 434,500	\$ 1,511,700	\$ 521,700	\$ 156,100	\$ 2,624,000	\$ 2,576,425	\$ 5,200,425	
School and Education	EE		\$ 378,400	\$ 52,700	\$ -	\$ 44,200	\$ 473,300	\$ 998,112	\$ 1,471,412	
Residential New Construction	EE		\$ 147,300	\$ 254,000	\$ 371,800	\$ 69,400	\$ 942,500	\$ 1,469,750	\$ 2,312,250	
Efficiency for Affordable Housing	EE		\$ 203,100	\$ 2,266,000	\$ 1,019,700	\$ 2,201,100	\$ 5,689,900	\$ 67,878,000	\$ 73,367,900	
Behavioral	EE		\$ 756,000	\$ 1,770,200	\$ -	\$ 78,200	\$ 2,604,400	\$ -	\$ 2,604,400	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 160,000	\$ -	\$ 160,000
Residential Programs Subtotal	EE		\$ 3,399,700	\$ 9,643,200	\$ 4,280,700	\$ 3,649,200	\$ 20,882,800	\$ 100,896,657	\$ 121,779,457	
Energy Efficient Products	Electrification		\$ 82,200	\$ 205,600	\$ 90,000	\$ 15,300	\$ 393,100	\$ 115,737	\$ 508,837	
Appliance Rebates (Electrification)	Electrification		\$ 82,200	\$ 205,600	\$ 90,000	\$ 15,300	\$ 393,100	\$ 115,737	\$ 508,837	
Residential Electrification Programs Subtotal	Electrification		\$ 82,200	\$ 205,600	\$ 90,000	\$ 15,300	\$ 393,100	\$ 115,737	\$ 508,837	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 750,100	\$ 3,773,500	\$ 1,003,800	\$ 925,600	\$ 6,453,000	\$ 39,824,692	\$ 46,277,692	
Commercial Customer Engagement Portal	EE		\$ 170,700	\$ 815,900	\$ 120,000	\$ 34,300	\$ 1,140,900	\$ -	\$ 1,140,900	
Efficient Business Solutions	EE		\$ 1,413,200	\$ 9,072,800	\$ 1,829,400	\$ 2,552,800	\$ 14,868,200	\$ 70,878,477	\$ 85,546,677	
Prescriptive	EE		\$ 426,200	\$ 3,162,200	\$ 480,300	\$ 1,263,400	\$ 5,352,100	\$ 36,760,170	\$ 42,112,270	
Custom	EE		\$ 347,200	\$ 3,097,200	\$ 750,200	\$ 1,030,800	\$ 5,225,400	\$ 25,133,969	\$ 34,358,469	
Virtual Commissioning	EE		\$ 319,900	\$ 1,769,600	\$ -	\$ 64,700	\$ 2,154,200	\$ -	\$ 2,154,200	
Retrocommissioning and Building Tune-Up	EE		\$ 319,900	\$ 1,023,800	\$ 598,900	\$ 193,900	\$ 2,136,500	\$ 4,785,238	\$ 6,921,738	
Combined Heat and Power	EE		\$ 278,800	\$ 202,200	\$ 161,500	\$ 143,600	\$ 796,100	\$ 4,000,000	\$ 4,796,100	
Commercial Midstream	EE		\$ 353,300	\$ 815,400	\$ 281,900	\$ 217,400	\$ 1,668,000	\$ 5,578,081	\$ 7,246,081	
Energy Efficient Communities	EE		\$ 344,900	\$ 710,900	\$ 251,200	\$ 187,300	\$ 1,494,300	\$ 4,748,916	\$ 6,243,216	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 3,311,000	\$ 15,390,700	\$ 3,647,800	\$ 4,961,000	\$ 26,410,500	\$ 124,835,166	\$ 151,240,666	
Commercial Building Electrification	Electrification		\$ 246,500	\$ 550,000	\$ 175,000	\$ 103,100	\$ 1,074,600	\$ 2,360,255	\$ 3,434,855	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 246,500	\$ 550,000	\$ 175,000	\$ 103,100	\$ 1,074,600	\$ 2,360,255	\$ 3,434,855	
Energy Efficiency and Conservation Subtotal			\$ 6,949,400	\$ 25,789,500	\$ 8,193,500	\$ 7,828,600	\$ 48,761,000	\$ 228,252,815	\$ 276,963,815	
Demand Response Programs										
Residential Demand Response Program			\$ 1,165,900	\$ 4,926,100		\$ 3,389,500	\$ 423,200	\$ 9,904,700	\$ 11,252,505	\$ 21,157,205
Small Commercial Demand Response Program			\$ 180,800	\$ 239,000		\$ 183,100	\$ 33,700	\$ 616,600	\$ 504,080	\$ 1,120,680
Demand Response Programs Subtotal			\$ 1,346,700	\$ 5,165,100	\$ -	\$ 3,572,600	\$ 456,900	\$ 10,521,300	\$ 11,756,585	\$ 22,277,885
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,346,700	\$ 5,165,100	\$ 6,949,400	\$ 25,789,500	\$ 11,746,100	\$ 8,285,600	\$ 69,282,300	\$ 239,959,400
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,346,700	\$ 5,165,100	\$ 6,620,700	\$ 25,033,900	\$ 11,481,100	\$ 8,167,100	\$ 67,814,600	\$ 237,483,400
Program Investigation Development and Design (PIDO)										\$ 295,296,008
Energy Engineers			\$ 24,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 119,600	\$ -	\$ 119,600
Summer Energy Challenge			\$ 53,200	\$ 339,300	\$ 137,700	\$ 44,400	\$ 574,600	\$ 600,000	\$ 1,174,600	
Controlled Environment Agriculture			\$ 24,800	\$ -	\$ 160,000	\$ -	\$ -	\$ 202,600	\$ -	\$ 202,600
PIDO Unidentified			\$ 168,700	\$ 1,040,700	\$ 612,300	\$ 103,800	\$ 1,925,500	\$ 150,000	\$ 2,075,500	
PIDO Programs Subtotal			\$ 271,100	\$ 1,540,000	\$ 790,000	\$ 261,200	\$ 2,822,300	\$ 780,000	\$ 3,872,300	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$32.6 Million for residential and \$0.88 Million for commercial for 2026.

Table ES-3D Gross 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2024-2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EEAC Programs										
Energy Efficient Products	EE		\$ 1,119,200	\$ 4,995,600	\$ 2,385,900	\$ 496,000	\$ 8,998,700	\$ 7,593,323	\$ 16,592,023	
Appliance Rebates	EE		\$ 812,800	\$ 4,209,400	\$ 1,204,700	\$ 389,200	\$ 6,616,100	\$ 6,353,735	\$ 12,969,835	
Appliance Recycling	EE		\$ 306,400	\$ 786,200	\$ 1,181,200	\$ 108,800	\$ 2,382,600	\$ 1,239,588	\$ 3,622,188	
Home Retrofit	EE		\$ 2,827,600	\$ 7,827,200	\$ 3,853,300	\$ 2,136,300	\$ 16,446,400	\$ 54,816,286	\$ 71,266,686	
Quick Home Energy Check-Up	EE		\$ 762,800	\$ 1,995,100	\$ 1,356,200	\$ 626,000	\$ 4,739,200	\$ 16,121,443	\$ 20,861,343	
Home Performance	EE		\$ 581,700	\$ 2,237,500	\$ 1,149,500	\$ 1,125,400	\$ 5,094,100	\$ 32,415,162	\$ 37,509,262	
HVAC Rebates	EE		\$ 791,200	\$ 3,450,800	\$ 1,147,600	\$ 297,800	\$ 5,687,400	\$ 4,233,925	\$ 9,921,325	
School and Education	EE		\$ 692,100	\$ 143,800		\$ 89,100	\$ 925,000	\$ 2,039,736	\$ 2,964,736	
Residential New Construction	EE		\$ 268,400	\$ 693,400	\$ 817,800	\$ 142,700	\$ 1,822,300	\$ 2,829,850	\$ 4,752,150	
Efficiency for Affordable Housing	EE		\$ 351,400	\$ 4,632,200	\$ 1,939,800	\$ 1,298,600	\$ 8,210,000	\$ 34,671,415	\$ 42,881,415	
Behavioral	EE		\$ 1,376,800	\$ 4,714,400	\$ -	\$ 188,600	\$ 6,279,800	\$ -	\$ 6,279,800	
DHCD Cross Promotion	EE		\$ 120,000	\$ -	\$ 360,000	\$ -	\$ 480,000	\$ -	\$ 480,000	
Residential Programs Subtotal	EE		\$ 6,063,400	\$ 22,862,800	\$ 9,156,800	\$ 4,254,200	\$ 42,337,200	\$ 99,904,854	\$ 142,242,054	
Commercial and Industrial EEAC Programs										
Energy Efficient Products	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Appliance Rebates (Electrification)	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial EEAC Programs										
Small Business	EE		\$ 1,378,800	\$ 9,658,600	\$ 2,334,000	\$ 1,255,600	\$ 14,627,000	\$ 48,144,084	\$ 62,771,084	
Commercial Customer Engagement Portal	EE		\$ 345,000	\$ 2,447,700	\$ 360,000	\$ 97,800	\$ 3,250,500	\$ -	\$ 3,250,500	
Efficient Business Solutions	EE		\$ 2,598,000	\$ 19,973,700	\$ 3,924,200	\$ 3,163,200	\$ 29,599,100	\$ 74,764,274	\$ 104,363,374	
Prescriptive	EE		\$ 793,600	\$ 7,123,900	\$ 1,070,800	\$ 1,667,000	\$ 10,642,300	\$ 44,520,733	\$ 55,163,033	
Custom	EE		\$ 638,200	\$ 7,732,500	\$ 1,672,400	\$ 940,400	\$ 10,983,500	\$ 20,360,741	\$ 31,344,241	
Virtual Commissioning	EE		\$ 568,100	\$ 2,783,100	\$ -	\$ 104,500	\$ 3,475,700	\$ -	\$ 3,475,700	
Retrocommissioning and Building Tune-Up	EE		\$ 568,100	\$ 2,337,200	\$ 1,181,000	\$ 391,300	\$ 4,467,500	\$ 9,472,800	\$ 13,970,400	
Combined Heat and Power	EE		\$ 512,600	\$ 575,500	\$ 360,100	\$ 416,100	\$ 1,864,300	\$ 12,000,000	\$ 13,864,300	
Commercial Midstream	EE		\$ 649,500	\$ 1,517,500	\$ 628,600	\$ 532,700	\$ 3,328,300	\$ 14,425,077	\$ 17,753,377	
Energy Efficient Communities	EE		\$ 634,000	\$ 1,774,900	\$ 559,900	\$ 284,000	\$ 3,252,800	\$ 6,210,015	\$ 9,462,815	
Commercial and Industrial EEAC Programs Subtotal	EE		\$ 6,117,900	\$ 35,847,900	\$ 8,166,800	\$ 5,689,400	\$ 55,922,000	\$ 155,533,450	\$ 211,455,450	
Commercial Building Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency and Conservation Subtotal			\$ 12,181,300	\$ 58,810,700	\$ 17,323,600	\$ 9,943,600	\$ 98,269,200	\$ 255,438,304	\$ 353,697,504	
Demand Response Programs										
Residential Demand Response Program			\$ 3,353,300	\$ 14,232,400	\$ -	\$ 8,730,500	\$ 1,245,500	\$ 28,561,700	\$ 33,707,515	\$ 62,269,215
Small Commercial Demand Response Program			\$ 515,900	\$ 681,900	\$ -	\$ 465,300	\$ 98,300	\$ 1,761,400	\$ 1,512,240	\$ 3,273,640
Demand Response Programs Subtotal			\$ 3,869,200	\$ 14,914,300	\$ -	\$ 9,195,800	\$ 1,343,800	\$ 30,323,100	\$ 35,219,755	\$ 65,542,855
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 3,869,200	\$ 14,914,300	\$ 12,181,300	\$ 58,810,700	\$ 27,519,400	\$ 11,287,400	\$ 128,582,300	\$ 290,658,059
Total Plan EE and DR Only (Exclude Electrification)			\$ 3,869,200	\$ 14,914,300	\$ 12,181,300	\$ 58,810,700	\$ 27,519,400	\$ 11,287,400	\$ 128,582,300	\$ 290,658,059
Program Investigation Development and Design (PIDD)										
Energy Engineers			\$ 50,900	\$ -	\$ -	\$ -	\$ 290,000	\$ 340,900	\$ -	\$ 340,900
Summer Energy Challenge			\$ 111,800	\$ 1,123,200	\$ 433,800	\$ 138,400	\$ 1,807,200	\$ 1,800,000	\$ 3,607,200	
Controlled Environment Agriculture			\$ 49,800	\$ 560,000	\$ -	\$ 56,000	\$ 665,800	\$ -	\$ 665,800	
PIDD Unidentified			\$ 319,300	\$ 2,936,800	\$ 1,816,200	\$ 290,700	\$ 5,363,000	\$ 450,000	\$ 5,813,000	
PIDD Programs Subtotal			\$ 531,800	\$ 4,620,000	\$ 2,250,000	\$ 775,100	\$ 8,176,000	\$ 2,250,000	\$ 10,426,900	

*The ES Tables presented above do not include Pepco's funding allocation of OHCD's budget, approximately \$69.2 Million for residential and \$2.3 Million for commercial for 2024-2026.

Table ES-3D Gross Middle Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2024-2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 1,119,200	\$ 4,995,600	\$ 2,385,900	\$ 498,000	\$	\$ 8,998,700	\$ 7,593,323	\$ 16,592,023
Appliance Rebates	EE		\$ 612,600	\$ 4,209,400	\$ 1,204,700	\$ 389,200	\$	\$ 6,616,100	\$ 6,353,735	\$ 12,969,835
Appliance Recycling	EE		\$ 306,400	\$ 789,200	\$ 1,181,200	\$ 108,800	\$	\$ 2,382,600	\$ 1,239,888	\$ 3,622,188
Home Retrofits	EE		\$ 2,827,600	\$ 7,827,200	\$ 3,653,300	\$ 2,138,300	\$	\$ 16,446,400	\$ 54,810,288	\$ 71,256,688
Quick Home Energy Check-Up	EE		\$ 762,600	\$ 1,995,100	\$ 1,356,200	\$ 626,000	\$	\$ 4,739,900	\$ 16,121,443	\$ 20,861,343
Home Performance	EE		\$ 681,700	\$ 2,237,500	\$ 1,148,800	\$ 1,126,400	\$	\$ 5,084,100	\$ 32,415,162	\$ 37,500,262
HVAC Rebates	EE		\$ 791,200	\$ 3,450,800	\$ 1,147,600	\$ 297,800	\$	\$ 5,687,400	\$ 4,233,925	\$ 9,921,325
School and Education	EE		\$ 692,100	\$ 143,800	\$ -	\$ 89,100	\$	\$ 925,000	\$ 2,039,736	\$ 2,964,736
Residential New Construction	EE		\$ 268,400	\$ 693,400	\$ 817,800	\$ 142,700	\$	\$ 1,922,300	\$ 2,629,860	\$ 4,752,160
Efficiency for Affordable Housing	EE		\$ 351,400	\$ 4,632,200	\$ 1,939,800	\$ 1,286,600	\$	\$ 8,210,000	\$ 34,871,415	\$ 42,881,415
Behavioral	EE		\$ 1,376,800	\$ 4,714,400	\$ -	\$ 188,600	\$	\$ 6,279,800	\$ -	\$ 6,279,800
DHCD Cross Promotion	EE		\$ 120,000	\$ -	\$ 360,000	\$ -	\$	\$ 480,000	\$ -	\$ 480,000
Residential Programs Subtotal	EE		\$ 6,063,400	\$ 22,862,800	\$ 9,156,800	\$ 4,254,200	\$	\$ 42,337,200	\$ 89,904,854	\$ 142,242,054
Energy Efficient Products										
Appliance Rebates (Electrification)	Electrification		\$ 156,000	\$ 585,600	\$ 270,000	\$ 38,200	\$	\$ 1,049,800	\$ 217,316	\$ 1,267,116
Residential Electrification Programs Subtotal	Electrification		\$ 156,000	\$ 585,600	\$ 270,000	\$ 38,200	\$	\$ 1,049,800	\$ 217,316	\$ 1,267,116
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 1,378,800	\$ 9,658,800	\$ 2,334,000	\$ 1,255,600	\$	\$ 14,627,000	\$ 48,144,084	\$ 62,771,084
Commercial Customer Engagement Portal	EE		\$ 345,000	\$ 2,447,700	\$ 360,000	\$ 97,800	\$	\$ 3,250,500	\$ -	\$ 3,250,500
Efficient Business Solutions	EE		\$ 2,598,000	\$ 19,973,700	\$ 3,924,200	\$ 3,103,200	\$	\$ 29,599,100	\$ 74,784,274	\$ 104,353,374
Prescriptive	EE		\$ 783,600	\$ 7,120,900	\$ 1,070,600	\$ 1,667,000	\$	\$ 10,642,300	\$ 44,920,733	\$ 55,563,033
Custom	EE		\$ 638,200	\$ 7,732,900	\$ 1,672,400	\$ 840,400	\$	\$ 10,983,500	\$ 20,380,741	\$ 31,364,241
Virtual Commissioning	EE		\$ 588,100	\$ 2,783,100	\$ -	\$ 104,500	\$	\$ 3,475,700	\$ -	\$ 3,475,700
Retrocommissioning and Building Tune-Up	EE		\$ 385,100	\$ 2,337,200	\$ 1,181,000	\$ 391,300	\$	\$ 4,487,600	\$ 9,472,900	\$ 13,970,430
Combined Heat and Power	EE		\$ 512,600	\$ 675,500	\$ 360,100	\$ 416,100	\$	\$ 1,964,300	\$ 12,000,000	\$ 13,964,300
Commercial Midstream	EE		\$ 649,500	\$ 1,517,500	\$ 628,600	\$ 532,700	\$	\$ 3,328,300	\$ 14,425,077	\$ 17,753,377
Energy Efficient Communities	EE		\$ 634,000	\$ 1,774,900	\$ 559,900	\$ 284,000	\$	\$ 3,252,800	\$ 6,210,015	\$ 9,462,815
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 6,117,900	\$ 35,947,900	\$ 8,168,800	\$ 6,689,400	\$	\$ 65,922,900	\$ 155,533,450	\$ 211,455,450
Commercial Building Electrification										
Commercial Building Electrification	Electrification		\$ 450,000	\$ 1,400,000	\$ 625,000	\$ 212,900	\$	\$ 2,687,900	\$ 4,504,591	\$ 7,092,491
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 450,000	\$ 1,400,000	\$ 625,000	\$ 212,900	\$	\$ 2,687,900	\$ 4,504,591	\$ 7,092,491
Energy Efficiency and Conservation Subtotal			\$ 12,787,300	\$ 60,796,300	\$ 18,118,600	\$ 10,194,700	\$	\$ 101,896,900	\$ 260,160,211	\$ 362,057,111
Demand Response Programs										
Residential Demand Response Program			\$ 3,353,300	\$ 14,232,400		\$ 9,730,500	\$ 1,245,500	\$ 28,561,700	\$ 33,707,515	\$ 62,269,215
Small Commercial Demand Response Program			\$ 515,900	\$ 681,900		\$ 465,300	\$ 98,300	\$ 1,761,400	\$ 1,512,240	\$ 3,273,640
Demand Response Programs Subtotal			\$ 3,869,200	\$ 14,914,300	\$ -	\$ 10,195,800	\$ 1,343,800	\$ 30,323,100	\$ 35,219,755	\$ 65,542,855
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 3,869,200	\$ 14,914,300	\$ 12,787,300	\$ 60,796,300	\$ 28,314,400	\$ 11,538,600	\$ 132,220,000	\$ 295,379,966
Total Plan EE and DR Only (Exclude Electrification)			\$ 3,869,200	\$ 14,914,300	\$ 12,181,300	\$ 68,816,700	\$ 27,819,400	\$ 11,287,400	\$ 128,682,300	\$ 290,688,059
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$ 50,900	\$ -	\$ -	\$ 290,000	\$ 340,900	\$ -	\$ 340,900	\$ -
Summer Energy Challenge			\$ 111,800	\$ 1,123,200	\$ 433,800	\$ 138,400	\$ 1,807,200	\$ 1,800,000	\$ 3,607,200	\$ 3,607,200
Controlled Environment Agriculture			\$ 69,800	\$ 580,500	\$ 50,000	\$ 560,000	\$ -	\$ 665,800	\$ -	\$ 665,800
PIDO Unidentified			\$ 319,300	\$ 2,936,800	\$ 1,816,200	\$ 290,700	\$ 5,363,000	\$ 450,000	\$ -	\$ 5,813,000
PIDO Programs Subtotal			\$ 831,800	\$ 4,626,000	\$ 2,280,000	\$ 775,100	\$ 8,176,900	\$ 2,280,000	\$ -	\$ 10,426,900

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$69.2 Million for residential and \$2.3 Million for commercial for 2024-2026.

Table ES-3D Gross Maximum Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2024-2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 1,762,200	\$ 5,837,400	\$ 3,156,800	\$ 678,500	\$ 11,424,600	\$ 11,179,524	\$ 22,604,124	
Appliance Rebates	EE		\$ 1,272,500	\$ 5,051,200	\$ 1,627,300	\$ 544,400	\$ 8,495,400	\$ 8,644,265	\$ 18,139,665	
Appliance Recycling	EE		\$ 479,700	\$ 786,200	\$ 1,529,200	\$ 134,100	\$ 2,929,200	\$ 1,535,229	\$ 4,464,429	
Home Retrofits	EE		\$ 4,417,700	\$ 9,437,200	\$ 4,729,900	\$ 3,104,300	\$ 21,689,100	\$ 81,765,853	\$ 103,454,953	
Quick Home Energy Check-Up	EE		\$ 1,194,000	\$ 2,176,500	\$ 1,755,800	\$ 745,900	\$ 5,872,200	\$ 18,986,299	\$ 24,858,499	
Home Performance	EE		\$ 910,800	\$ 2,796,800	\$ 1,488,300	\$ 1,780,400	\$ 6,976,100	\$ 52,365,555	\$ 59,341,655	
HVAC Rebates	EE		\$ 1,238,900	\$ 4,313,500	\$ 1,485,800	\$ 447,400	\$ 7,485,600	\$ 7,419,663	\$ 14,905,263	
School and Education	EE		\$ 1,074,200	\$ 150,400	\$ -	\$ 130,800	\$ 1,355,200	\$ 2,994,336	\$ 4,349,536	
Residential New Construction	EE		\$ 420,000	\$ 724,800	\$ 1,058,800	\$ 192,900	\$ 2,396,500	\$ 4,028,325	\$ 6,424,825	
Efficiency for Affordable Housing	EE		\$ 579,600	\$ 6,486,000	\$ 2,909,700	\$ 5,540,900	\$ 15,496,200	\$ 168,195,000	\$ 184,691,200	
Behavioral	EE		\$ 2,155,700	\$ 5,051,200	\$ -	\$ 223,100	\$ 7,430,000	\$ -	\$ 7,430,000	
DHCD Cross Promotion	EE		\$ 120,000	\$ -	\$ 360,000	\$ -	\$ -	\$ 480,000	\$ -	\$ 480,000
Residential Programs Subtotal	EE		\$ 9,445,200	\$ 27,516,600	\$ 12,214,800	\$ 9,739,700	\$ 58,916,400	\$ 266,168,702	\$ 326,085,102	
Energy Efficient Products										
Appliance Rebates	Electrification		\$ 256,400	\$ 585,600	\$ 270,000	\$ 41,300	\$ 1,153,300	\$ 217,316	\$ 1,370,616	
Residential Electrification Programs Subtotal	Electrification		\$ 256,400	\$ 585,600	\$ 270,000	\$ 41,300	\$ 1,153,300	\$ 217,316	\$ 1,370,616	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 2,140,300	\$ 10,738,400	\$ 2,864,400	\$ 2,759,700	\$ 18,502,800	\$ 119,474,076	\$ 137,976,876	
Commercial Customer Engagement Portal	EE		\$ 512,100	\$ 2,447,700	\$ 360,000	\$ 102,900	\$ 3,422,700	\$ -	\$ 3,422,700	
Efficient Business Solutions	EE		\$ 4,032,400	\$ 25,915,800	\$ 5,190,900	\$ 7,174,700	\$ 42,313,800	\$ 198,154,018	\$ 240,467,818	
Prescriptive	EE		\$ 1,216,400	\$ 8,051,100	\$ 1,370,700	\$ 3,635,000	\$ 15,273,200	\$ 105,689,305	\$ 121,162,505	
Custom	EE		\$ 860,600	\$ 8,811,400	\$ 2,140,600	\$ 2,792,500	\$ 14,795,100	\$ 78,344,020	\$ 93,079,120	
Virtual Commissioning	EE		\$ 912,700	\$ 5,131,900	\$ -	\$ 187,100	\$ 6,231,700	\$ -	\$ 6,231,700	
Retrocommissioning and Building Tune-Up	EE		\$ 912,700	\$ 2,921,400	\$ 1,679,800	\$ 588,100	\$ 6,073,800	\$ 13,920,092	\$ 19,994,892	
Combined Heat and Power	EE		\$ 755,700	\$ 575,500	\$ 460,900	\$ 427,900	\$ 2,580,000	\$ 12,000,000	\$ 14,250,000	
Commercial Midstream	EE		\$ 1,008,100	\$ 2,326,700	\$ 804,400	\$ 638,900	\$ 4,776,100	\$ 16,514,243	\$ 21,292,343	
Energy Efficient Communities	EE		\$ 984,300	\$ 2,028,500	\$ 716,700	\$ 515,500	\$ 4,245,000	\$ 12,935,265	\$ 17,180,265	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 9,472,800	\$ 44,032,800	\$ 10,397,300	\$ 11,619,600	\$ 75,522,400	\$ 389,077,662	\$ 434,600,062	
Commercial Building Electrification	Electrification		\$ 739,500	\$ 1,400,000	\$ 625,000	\$ 221,900	\$ 2,886,400	\$ 4,504,591	\$ 7,390,991	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 739,500	\$ 1,400,000	\$ 625,000	\$ 221,900	\$ 2,886,400	\$ 4,504,591	\$ 7,390,991	
Energy Efficiency and Conservation Subtotal			\$ 19,914,000	\$ 73,534,800	\$ 23,467,200	\$ 21,622,500	\$ 138,478,800	\$ 629,948,211	\$ 768,446,711	
Demand Response Programs										
Residential Demand Response Program			\$ 3,353,300	\$ 14,232,400		\$ 9,730,500	\$ 1,245,500	\$ 28,561,700	\$ 33,707,515	\$ 62,269,215
Small Commercial Demand Response Program			\$ 515,900	\$ 681,900		\$ 465,300	\$ 98,300	\$ 1,761,400	\$ 1,512,249	\$ 3,273,649
Demand Response Programs Subtotal			\$ 3,869,200	\$ 14,914,300	\$ -	\$ 10,195,800	\$ 1,343,800	\$ 30,323,100	\$ 35,219,764	\$ 65,542,864
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 3,869,200	\$ 14,914,300	\$ 19,914,000	\$ 73,534,800	\$ 33,603,000	\$ 22,966,300	\$ 168,801,600	\$ 665,187,968
Total Plan EE and DR Only (Exclude Electrification)			\$ 3,869,200	\$ 14,914,300	\$ 18,918,100	\$ 71,549,200	\$ 32,068,000	\$ 22,703,100	\$ 164,761,900	\$ 660,466,059
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$ 75,500	\$ -	\$ -	\$ 290,000	\$ 365,500	\$ -	\$ 365,500	
Summer Energy Challenge			\$ 165,700	\$ 1,123,200	\$ 433,800	\$ 138,400	\$ 1,861,100	\$ 1,800,000	\$ 3,661,100	
Controlled Environment Agriculture			\$ 73,800	\$ -	\$ -	\$ 50,000	\$ 689,800	\$ -	\$ 689,800	
PIDO Unidentified			\$ 473,800	\$ 2,936,800	\$ 1,816,200	\$ 298,900	\$ 5,525,700	\$ 450,000	\$ 5,975,700	
PIDO Programs Subtotal			\$ 788,800	\$ 4,626,000	\$ 2,250,000	\$ 785,300	\$ 8,442,100	\$ 2,280,000	\$ 10,692,100	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$69.2 Million for residential and \$2.3 Million for commercial for 2024-2026.

Table ES-5 Gross 2023 Scenario
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

			2024 Forecasted		2025 Forecasted		2026 Forecasted		2024-2028 Forecasted		Forecasted Lifecycle	
			Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)
Energy Efficiency and Conservation Programs												
Residential EEC Programs												
Energy Efficient Products	EE	\$	0.0449	\$ 413	\$ 0.0477	\$ 452	\$ 0.0489	\$ 460	\$ 0.0471	\$ 442		
Appliance Rebates	EE	\$	0.0407	\$ 407	\$ 0.0435	\$ 450	\$ 0.0442	\$ 457	\$ 0.0428	\$ 438		
Appliance Recycling	EE	\$	1.4024	\$ 8,744	\$ 0.0740	\$ 463	\$ 0.0755	\$ 463	\$ 0.0730	\$ 455		
Home Retrofits	EE	\$	0.0490	\$ 442	\$ 0.0579	\$ 532	\$ 0.0781	\$ 716	\$ 0.2007	\$ 1,486		
Quick Home Energy Check-Up	EE	\$	0.0490	\$ 442	\$ 0.0579	\$ 532	\$ 0.0751	\$ 716	\$ 0.2007	\$ 1,486		
Home Performance	EE	\$	0.1017	\$ 296	\$ 0.1017	\$ 296	\$ 0.1017	\$ 297	\$ 0.0566	\$ 165		
HVAC Rebates	EE	\$	0.1401	\$ 302	\$ 0.1479	\$ 320	\$ 0.1509	\$ 329	\$ 0.0532	\$ 1,168		
School and Education	EE	\$	0.0239	\$ 378	\$ 0.0246	\$ 388	\$ 0.0248	\$ 392	\$ 0.0818	\$ 1,292		
Residential New Construction	EE	\$	0.0421	\$ 148	\$ 0.0429	\$ 148	\$ 0.0426	\$ 149	\$ 0.0266	\$ 92		
Efficiency for Affordable Housing	EE	\$	0.0261	\$ 1,378	\$ 0.2398	\$ 1,146	\$ 0.0231	\$ 1,153	\$ 0.0262	\$ 131		
Behavioral	EE	\$	0.0072	\$ 217	\$ 0.0388	\$ 227	\$ 0.0388	\$ 228	\$ 0.0290	\$ 204		
DHCD Cross Promotion	EE	\$	-	\$ -	-	\$ -	-	\$ -	-	\$ -		
Residential Programs Subtotal	EE	\$	0.0712	\$ 370	\$ 0.0859	\$ 438	\$ 0.0902	\$ 452	\$ 0.0036	\$ 20		
Energy Efficient Products	Electrification	\$	-	\$ -	-	\$ -	-	\$ -	-	\$ -		
Appliance Rebates (Electrification)	Electrification	\$	-	\$ -	-	\$ -	-	\$ -	-	\$ -		
Commercial and Industrial EEC Programs	Electrification	\$	-	\$ -	-	\$ -	-	\$ -	-	\$ -		
Small Business	EE	\$	0.0529	\$ 304	\$ 0.0541	\$ 311	\$ 0.0545	\$ 313	\$ 0.0538	\$ 309		
Commercial Customer Engagement Portal	EE	\$	1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -		
Efficient Business Solutions	EE	\$	0.0359	\$ 84	\$ 0.0342	\$ 94	\$ 0.0349	\$ 87	\$ 0.0346	\$ 91		
Prescriptive	EE	\$	0.0522	\$ 67	\$ 0.0437	\$ 67	\$ 0.0417	\$ 69	\$ 0.0452	\$ 65		
Custom	EE	\$	0.0275	\$ 35	\$ 0.0290	\$ 38	\$ 0.0246	\$ 35	\$ 0.0255	\$ 36		
Virtual Commissioning	EE	\$	0.0879	\$ 633	\$ 0.0865	\$ 622	\$ 0.0869	\$ 626	\$ 0.0871	\$ 627		
Retrocommissioning and Building Tune-Up	EE	\$	0.0487	\$ 2,134	\$ 0.0459	\$ 2,119	\$ 0.0494	\$ 2,141	\$ 0.0450	\$ 2,134		
Combined Heat and Power	EE	\$	0.0087	\$ 73	\$ 0.0088	\$ 74	\$ 0.0088	\$ 74	\$ 0.0087	\$ 74		
Commercial Midstream	EE	\$	0.0132	\$ 105	\$ 0.0138	\$ 109	\$ 0.0139	\$ 110	\$ 0.0137	\$ 108		
Energy Efficient Controls	EE	\$	0.0553	\$ 289	\$ 0.0581	\$ 411	\$ 0.0673	\$ 401	\$ 0.0624	\$ 323		
Commercial and Industrial EEC Programs Subtotal	EE	\$	0.0288	\$ 124	\$ 0.0294	\$ 128	\$ 0.0295	\$ 119	\$ 0.0283	\$ 123		
Commercial Building Electrification	Electrification	\$	-	\$ -	-	\$ -	-	\$ -	-	\$ -		
Commercial and Industrial Electrification Programs	Electrification	\$	-	\$ -	-	\$ -	-	\$ -	-	\$ -		
Energy Efficiency and Conservation Subtotal		\$	0.0372	\$ 160	\$ 0.0404	\$ 178	\$ 0.0408	\$ 171	\$ 0.0396	\$ 173		
Demand Response Programs												
Residential Demand Response Program		\$	93.6901	\$ 86	\$ 96.9087	\$ 89	\$ 97.9696	\$ 90	\$ 96.1911	\$ 265		
Small Commercial Demand Response Program		\$	174.9967	\$ 75	\$ 183.8300	\$ 76	\$ 178.8125	\$ 77	\$ 184.3068	\$ 285		
Demand Response Programs Subtotal		\$	95.8392	\$ 85	\$ 99.2863	\$ 88	\$ 98.8610	\$ 89	\$ 96.8664	\$ 223		
Other Programs</												

Table ES-5 Gross Middle Scenario

EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

Program Category (EE vs Electrification)		2024 Forecast				2025 Forecast				2026 Forecast				2024-2026 Forecast			
		Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)				
Energy Efficiency and Conservation Programs																	
Residential EE&C Programs																	
Energy Efficient Products	EE	\$ 0.0449	\$ 412.8	\$ 0.0477	\$ 482	\$ 0.0489	\$ 460	\$ 0.0471	\$ 442								
Appliance Rebates	EE	\$ 0.0407	\$ 407.2	\$ 0.0435	\$ 450	\$ 0.0442	\$ 457	\$ 0.0428	\$ 348								
Appliance Recycling	EE	\$ 1.4024	\$ 8,743.7	\$ 0.0740	\$ 462	\$ 0.0755	\$ 471	\$ 0.0730	\$ 439								
Home Retrofits	EE	\$ 0.0715	\$ 333.3	\$ 0.0776	\$ 346	\$ 0.0859	\$ 397	\$ 0.0783	\$ 348								
Quick Home Energy Check-Up	EE	\$ 0.0490	\$ 442	\$ 0.0579	\$ 532	\$ 0.0751	\$ 716	\$ 0.2007	\$ 1,848								
Home Performance	EE	\$ 0.1017	\$ 296	\$ 0.1017	\$ 296	\$ 0.1017	\$ 297	\$ 0.0966	\$ 165								
HVAC Rebates	EE	\$ 0.1401	\$ 302	\$ 0.1479	\$ 320	\$ 0.1509	\$ 329	\$ 0.5532	\$ 1,198								
School and Education	EE	\$ 0.0239	\$ 378	\$ 0.0246	\$ 388	\$ 0.0248	\$ 392	\$ 0.0816	\$ 1,292								
Residential New Construction	EE	\$ 0.0421	\$ 144	\$ 0.0429	\$ 148	\$ 0.0426	\$ 149	\$ 0.0266	\$ 92								
Efficiency for Affordable Housing	EE	\$ 0.2041	\$ 1,376	\$ 0.2308	\$ 1,438	\$ 0.2321	\$ 1,153	\$ 0.0202	\$ 131								
EE Behaviors	EE	\$ 0.0072	\$ 0.037	\$ 0.0386	\$ 0.227	\$ 0.0388	\$ 0.234	\$ 0.0290	\$ 0.04								
DHCD Cordless Promotion	EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Residential Programs Subtotal	EE	\$ 0.0712	\$ 370	\$ 0.0859	\$ 438	\$ 0.0902	\$ 452	\$ 0.0826	\$ 445								
Energy Efficient Products	Electrification	\$ 0.0752	\$ 793.3	\$ 0.0582	\$ 678	\$ 0.0476	\$ 604.9	\$ 0.0349	\$ 609								
Appliance Rebates (Electrification)	Electrification	\$ 0.0752	\$ 793.3	\$ 0.0582	\$ 678	\$ 0.0476	\$ 604.9	\$ 0.0349	\$ 609								
Residential Electrification Programs Subtotal	Electrification	\$ 0.0752	\$ 793.3	\$ 0.0582	\$ 678	\$ 0.0476	\$ 604.9	\$ 0.0349	\$ 609								
Commercial and Industrial EE&C Programs																	
Small Business	EE	\$ 0.0529	\$ 304	\$ 0.0541	\$ 311	\$ 0.0545	\$ 313	\$ 0.0538	\$ 300								
Commercial Customer Engagement Ports	EE	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -								
Efficient Business Solutions	EE	\$ 0.0339	\$ 94	\$ 0.0342	\$ 94	\$ 0.0349	\$ 87	\$ 0.0346	\$ 91								
Prescriptive	EE	\$ 0.0522	\$ 67	\$ 0.0437	\$ 67	\$ 0.0417	\$ 65	\$ 0.0452	\$ 65								
Custom	EE	\$ 0.0275	\$ 35	\$ 0.0250	\$ 38	\$ 0.0246	\$ 35	\$ 0.0255	\$ 36								
Virtual Commissioning	EE	\$ 0.0879	\$ 633	\$ 0.0885	\$ 622	\$ 0.0869	\$ 628	\$ 0.0871	\$ 627								
Recommissioning and Building Tune-Up	EE	\$ 0.0487	\$ 2,134	\$ 0.0489	\$ 2,119	\$ 0.0494	\$ 2,141	\$ 0.0490	\$ 2,132								
Commercial Heat and Power	EE	\$ 0.0087	\$ 73	\$ 0.0086	\$ 74	\$ 0.0088	\$ 74	\$ 0.0087	\$ 74								
Commercial Midstream	EE	\$ 0.0132	\$ 105	\$ 0.0138	\$ 109	\$ 0.0139	\$ 110	\$ 0.0137	\$ 108								
Commercial Electrical Communities	EE	\$ 0.0503	\$ 289	\$ 0.0685	\$ 411	\$ 0.0673	\$ 401	\$ 0.0624	\$ 367								
Commercial and Industrial EE&C Programs Subtotal	EE	\$ 0.0388	\$ 147	\$ 0.0394	\$ 148	\$ 0.0393	\$ 139	\$ 0.0393	\$ 143								
Commercial Building Electrification	Electrification	\$ 0.0104	\$ 105	\$ 0.0079	\$ 83	\$ 0.0073	\$ 80	\$ 0.0080	\$ 85								
Commercial and Industrial Electrification Programs	Electrification	\$ 0.0104	\$ 105	\$ 0.0079	\$ 83	\$ 0.0073	\$ 80	\$ 0.0080	\$ 85								
Energy Efficiency and Conservation Subtotal		\$ 0.0399	\$ 172	\$ 0.0459	\$ 190	\$ 0.0493	\$ 187	\$ 0.0451	\$ 185								
Demand Response Programs																	
Residential Demand Response Program		\$ 93.6901	\$ 86	\$ 96.9087	\$ 80	\$ 97.9690	\$ 99	\$ 96.1911	\$ 265								
Small Commercial Demand Response Program		\$ 174.9967	\$ 72	\$ 183.3000	\$ 76	\$ 178.8125	\$ 77	\$ 104.3068	\$ 226								
Demand Response Programs Subtotal		\$ 98.9932	\$ 85	\$ 99.2583	\$ 88	\$ 94.8610	\$ 89	\$ 96.5664	\$ 265								
Other Programs																	
Conservation Voltage Reduction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Dynamic Pricing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Transactive		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Beneficial Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Other Programs Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
EMPOWER Maryland Portfolio Total																	
All Program Total		\$ 0.0488	\$ 130	\$ 0.0600	\$ 142	\$ 0.0733	\$ 139	\$ 0.0597	\$ 179								
Program Investigation Development and Design (PIDD)																	
Energy Engineers																	
Summer Energy Challenge																	
Controlled Environment Agriculture																	
PIDD Unidentified																	
PIDD Programs Subtotal																	

Table ES-5 Gross Maximum Scenario

EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

Program Category (EE or Electrification)			2024 Forecasted				2025 Forecasted				2026 Forecasted				2024-2026 Forecasted			
			Forecasted		Forecasted Lifecycle		Forecasted		Forecasted Lifecycle		Forecasted		Forecasted Lifecycle		Forecasted		Forecasted Lifecycle	
			Lifecycle Cost per kWh Saved (\$)	Cost per kWh (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kWh (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kWh (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kWh (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kWh (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kWh (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kWh (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kWh (\$)
Energy Efficiency and Conservation Programs																		
Residential EE&C Programs																		
Energy Efficient Products			EE	\$ 0.0529	\$ 510	\$ 0.0554	\$ 535	\$ 0.0563	\$ 543	\$ 0.0549	\$ 530							
Appliance Rebates			EE	\$ 0.0491	\$ 517	\$ 0.0512	\$ 530	\$ 0.0520	\$ 547	\$ 0.0508	\$ 534							
Appliance Recycling			EE	\$ 1.8120	11,268	\$ 0.0530	\$ 517	\$ 0.0460	\$ 528	\$ 0.0416	\$ 510							
Home Retrofits			EE	\$ 0.4812	\$ 389	\$ 0.0887	\$ 424	\$ 0.0991	\$ 425	\$ 0.0863	\$ 413							
Quick Home Energy Check-Up			EE	\$ 0.0424	\$ 377	\$ 0.0538	\$ 514	\$ 0.0541	\$ 517	\$ 0.0517	\$ 517							
Home Performance			EE	\$ 0.1244	\$ 407	\$ 0.1237	\$ 404	\$ 0.1223	\$ 399	\$ 0.0517	\$ 169							
HVAC Rebates			EE	\$ 0.1655	\$ 354	\$ 0.1652	\$ 377	\$ 0.1680	\$ 388	\$ 0.0620	\$ 1,485							
School and Education			EE	\$ 0.0330	\$ 455	\$ 0.0339	\$ 467	\$ 0.0342	\$ 471	\$ 0.1154	\$ 1,591							
Residential New Construction			EE	\$ 0.0503	\$ 176	\$ 0.0506	\$ 181	\$ 0.0498	\$ 182	\$ 0.0340	\$ 122							
Efficiency for Affordable Housing			EE	\$ 0.2258	\$ 1,220	\$ 0.2173	\$ 1,174	\$ 0.2176	\$ 1,176	\$ 0.0076	\$ 41							
Energy Behavior			EE	\$ 0.0440	\$ 257	\$ 0.0400	\$ 268	\$ 0.0459	\$ 276	\$ 0.0392	\$ 282							
DHCD Cost Allocation			EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
Residential Programs Subtotal			EE	\$ 0.1030	\$ 554	\$ 0.1249	\$ 609	\$ 0.1246	\$ 660	\$ 0.1184	\$ 658							
Energy Efficient Products			EE	\$ (8.6257)	\$ 871	\$ (0.0391)	\$ 469	\$ (0.0257)	\$ 263	\$ (0.0378)	\$ (390)							
Appliance Rebates (Electrification)			Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0267)	\$ (263)	\$ (0.0378)	\$ (390)							
Residential Electrification Programs Subtotal			Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
Commercial and Industrial EE&C Programs																		
Commercial Business			EE	\$ 0.0730	\$ 419	\$ 0.0738	\$ 423	\$ 0.0741	\$ 425	\$ 0.0736	\$ 420							
Commercial Customer Engagement Portal			EE	\$ 1.0792	\$ -	\$ 1.0792	\$ -	\$ 1.0792	\$ -	\$ 1.0792	\$ -							
Efficient Business Solutions			EE	\$ 0.8574	\$ 111	\$ 0.8579	\$ 109	\$ 0.8597	\$ 111	\$ 0.8577	\$ 111							
Prescriptive			EE	\$ 0.0928	\$ 72	\$ 0.0734	\$ 68	\$ 0.0681	\$ 67	\$ 0.0735	\$ 69							
Custom			EE	\$ 0.0579	\$ 52	\$ 0.0562	\$ 52	\$ 0.0556	\$ 55	\$ 0.0564	\$ 53							
Virtual Commissioning			EE	\$ 0.1172	\$ 844	\$ 0.1140	\$ 820	\$ 0.1145	\$ 824	\$ 0.1151	\$ 829							
Recommissioning and Building Tune-Up			EE	\$ 0.0539	\$ 2,337	\$ 0.0540	\$ 2,344	\$ 0.0548	\$ 2,366	\$ 0.0542	\$ 2,349							
Commercial Heat and Power			EE	\$ 0.0089	\$ 75	\$ 0.0090	\$ 78	\$ 0.0091	\$ 79	\$ 0.0092	\$ 76							
Commercial Midstream			EE	\$ 0.0158	\$ 125	\$ 0.0166	\$ 131	\$ 0.0167	\$ 132	\$ 0.0164	\$ 125							
Commercial Efficient Communities			EE	\$ 0.0630	\$ 353	\$ 0.0795	\$ 462	\$ 0.0783	\$ 459	\$ 0.0738	\$ 425							
Commercial and Industrial EE&C Programs Subtotal			EE	\$ 2.8483	\$ 1,517	\$ 2.9478	\$ 1,487	\$ 2.9480	\$ 1,500	\$ 2.8474	\$ 1,504							
Commercial Building Electrification			Electrification	\$ (0.0111)	\$ (113)	\$ (0.0083)	\$ (87)	\$ (0.0075)	\$ (82)	\$ (0.0083)	\$ (85)							
Commercial and Industrial Electrification Programs			Electrification	\$ (0.0111)	\$ (113)	\$ (0.0083)	\$ (87)	\$ (0.0075)	\$ (82)	\$ (0.0083)	\$ (85)							
Energy Efficiency and Conservation Subtotal				\$ 0.0614	\$ 219	\$ 0.0723	\$ 236	\$ 0.0709	\$ 241	\$ 0.0699	\$ 233							
Demand Response Programs																		
Residential Demand Response Program				\$ 53.6901	\$ 86	\$ 96.9087	\$ 80	\$ 97.9690	\$ 99	\$ 96.1911	\$ 265							
Small Commercial Demand Response Program				\$ 174.9967	\$ 72	\$ 183.8300	\$ 76	\$ 178.5125	\$ 77	\$ 104.3068	\$ 225							
Demand Response Programs Subtotal				\$ 98.6932	\$ 85	\$ 99.2583	\$ 88	\$ 94.8611	\$ 89	\$ 95.5664	\$ 263							
Other Programs																		
Conservation Voltage Reduction				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
Dynamic Pricing				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
Transactive				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
Beneficial Electrification			Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
Other Programs Subtotal				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -							
EMPOWER Maryland Portfolio Total																		
All Program Total				\$ 0.0684	\$ 174	\$ 0.0844	\$ 192	\$ 0.0955	\$ 194	\$ 0.0823	\$ 212							
Program Investigation Development and Design (PIDD)																		
Energy Engineers																		
Summer Energy Challenge																		
Controlled Environment Agriculture																		
PIDD Unidentified																		
PIDD Programs Subtotal																		

Table ES-5 Net 2023 Scenario

EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

Program Category (EE vs Electrification)		2024 Forecasted		2025 Forecasted		2026 Forecasted		2024-2026 Forecasted		
		Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	
Energy Efficiency and Conservation Programs										
Residential E&EC Programs		EE	\$ 0.0995	\$ 920	\$ 0.1046	\$ 1,008	\$ 0.1063	\$ 1,024	\$ 0.1032	\$ 984
Energy Efficient Products		EE	\$ 0.0865	\$ 866	\$ 0.0926	\$ 957	\$ 0.0939	\$ 971	\$ 0.0911	\$ 932
Appliance Recycling		EE	\$ 3.7902	\$ 23,632	\$ 0.2001	\$ 1,248	\$ 0.2041	\$ 1,273	\$ 0.1974	\$ 1,234
Home Retrofits		EE	\$ 0.4861	\$ 469	\$ 0.9026	\$ 868	\$ 0.1024	\$ 980	\$ 0.9890	\$ 429
Quick Home Energy Check-Up		EE	\$ 0.0583	\$ 526	\$ 0.0689	\$ 633	\$ 0.0694	\$ 653	\$ 0.0700	\$ 644
Home Performance		EE	\$ 0.1169	\$ 340	\$ 0.1168	\$ 341	\$ 0.1169	\$ 341	\$ 0.1169	\$ 341
HVAC Rebates		EE	\$ 0.2643	\$ 569	\$ 0.2790	\$ 604	\$ 0.2847	\$ 620	\$ 0.2761	\$ 598
School and Education		EE	\$ 0.0260	\$ 411	\$ 0.0267	\$ 422	\$ 0.0270	\$ 426	\$ 0.0266	\$ 420
Residential New Construction		EE	\$ 0.0484	\$ 166	\$ 0.0494	\$ 170	\$ 0.0490	\$ 171	\$ 0.0489	\$ 169
Efficiency for Affordable Housing		EE	\$ 0.2641	\$ 1,376	\$ 0.2308	\$ 1,146	\$ 0.2321	\$ 1,153	\$ 0.2366	\$ 1,184
Behavioral		EE	\$ 0.0372	\$ 217	\$ 0.0368	\$ 227	\$ 0.0368	\$ 234	\$ 0.0363	\$ 267
DHCD Cross Promotion		EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Programs Subtotal		EE	\$ 0.0905	\$ 461	\$ 0.1073	\$ 834	\$ 0.1129	\$ 852	\$ 0.1039	\$ 854
Energy Efficient Products		Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Appliance Rebates (Electrification)		Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Electrification Programs Subtotal		Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial E&EC Programs		EE	\$ 0.0588	\$ 338	\$ 0.0601	\$ 345	\$ 0.0605	\$ 348	\$ 0.0598	\$ 344
Small Business		EE	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -
Efficient Business Solutions		EE	\$ 0.8485	\$ 136	\$ 0.8491	\$ 140	\$ 0.8496	\$ 139	\$ 0.8488	\$ 136
Prescriptive		EE	\$ 0.0670	\$ 112	\$ 0.0729	\$ 112	\$ 0.0695	\$ 109	\$ 0.0632	\$ 106
Custom		EE	\$ 0.0458	\$ 59	\$ 0.0416	\$ 64	\$ 0.0410	\$ 59	\$ 0.0425	\$ 61
Virtual Commissioning		EE	\$ 0.0879	\$ 633	\$ 0.0885	\$ 622	\$ 0.0869	\$ 628	\$ 0.0871	\$ 627
Recommissioning and Building Tune-Up		EE	\$ 0.0602	\$ 2,635	\$ 0.0604	\$ 2,616	\$ 0.0610	\$ 2,643	\$ 0.0605	\$ 2,632
Commercial Heat and Power		EE	\$ 0.0087	\$ 73	\$ 0.0088	\$ 74	\$ 0.0088	\$ 74	\$ 0.0087	\$ 74
Commercial Midstream		EE	\$ 0.0166	\$ 131	\$ 0.0173	\$ 137	\$ 0.0174	\$ 137	\$ 0.0171	\$ 135
Commercial Industrial Communities		EE	\$ 0.0571	\$ 329	\$ 0.0763	\$ 467	\$ 0.0765	\$ 456	\$ 0.0709	\$ 418
Commercial and Industrial E&EC Programs Subtotal		EE	\$ 0.0338	\$ 164	\$ 0.0348	\$ 197	\$ 0.0351	\$ 191	\$ 0.0346	\$ 164
Commercial Building Electrification		Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial Electrification Programs		Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency and Conservation Subtotal			\$ 0.0442	\$ 216	\$ 0.0485	\$ 234	\$ 0.0490	\$ 227	\$ 0.0473	\$ 229
Demand Response Programs										
Residential Demand Response Program			\$ 93.6901	\$ 80	\$ 96.9087	\$ 80	\$ 97.9696	\$ 99	\$ 96.1911	\$ 265
Small Commercial Demand Response Program			\$ 174.9967	\$ 72	\$ 183.8300	\$ 76	\$ 175.8125	\$ 77	\$ 104.3068	\$ 225
Demand Response Programs Subtotal			\$ 98.9932	\$ 85	\$ 99.2583	\$ 88	\$ 94.8610	\$ 89	\$ 96.5664	\$ 263
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Trans			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification		Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Emp-POWER Maryland Portfolio Total										
All Program Total			\$ 0.0514	\$ 149	\$ 0.0551	\$ 164	\$ 0.0557	\$ 162	\$ 0.0541	\$ 219
Program Investigation Development and Design (PIDD)										
Energy Engineers										
Summer Energy Challenge										
Controlled Environment Agriculture										
PIDD Underserved										
PIDD Programs Subtotal										

Table ES-5 Net Middle Scenario

EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

Program Category (EE vs Electrification)		2024 Forecasted		2025 Forecasted		2026 Forecasted		2024-2026 Forecasted	
		Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Demand Reduced (\$)
Energy Efficiency and Conservation Programs									
Residential EEC Programs		\$ 3,876.7	24,490	\$ 2,222.7	2,205	\$ 2,291.7	2,244	\$ 0.1032	984
Energy Efficient Products	EE	\$ 0.0865	866	\$ 0.0926	957	\$ 0.0939	971	\$ 0.0911	932
Appliance Recycling	EE	\$ 3.7902	23,632	\$ 2,001	1,248	\$ 0.2041	1,273	\$ 0.1074	1,234
Home Retrofits	EE	\$ 8,466	1,844	\$ 4,915	2,000	\$ 5,979	9,930	\$ -	429
Quick Home Energy Check-Up	EE	\$ 0.0583	526	\$ 0.0689	633	\$ 0.0904	853	\$ 0.0700	844
Home Performance	EE	\$ 0.1169	341	\$ 0.1168	341	\$ 0.1169	341	\$ 0.1169	341
HVAC Rebates	EE	\$ 0.2543	569	\$ 0.2790	604	\$ 0.2947	620	\$ 0.2761	598
School and Education	EE	\$ 0.0260	411	\$ 0.0267	422	\$ 0.0270	426	\$ 0.0266	420
Residential New Construction	EE	\$ 0.0484	166	\$ 0.0494	170	\$ 0.0490	171	\$ 0.0489	169
Efficiency for Affordable Housing	EE	\$ 0.2041	1,376	\$ 0.2308	1,148	\$ 0.2321	1,153	\$ 0.2366	1,184
Behavioral	EE	\$ 0.0372	217	\$ 0.0386	227	\$ 0.0388	234	\$ 0.0383	237
DHCD Closed Promotion	EE	\$ -	-	\$ -	-	\$ -	-	\$ -	-
Residential Programs Subtotal	EE	\$ 0.0905	461	\$ 0.1073	534	\$ 0.1129	552	\$ 0.1039	554
Energy Efficient Products	Electrification	\$ 0.0752	793	\$ 0.0582	626	\$ 0.0446	634	\$ 0.0349	650
Appliance Rebates (Electricity)	Electrification	\$ 0.0752	793	\$ 0.0362	376	\$ 0.0240	246	\$ 0.0349	360
Residential Electrification Programs Subtotal	Electrification	\$ 0.0792	793	\$ 0.0362	376	\$ 0.0240	246	\$ 0.0349	360
Commercial and Industrial EEC Programs									
Small Business Commercial Customer Engagement Portal	EE	\$ 0.0588	338	\$ 0.0601	345	\$ 0.0605	348	\$ 0.0598	347
Prescriptive	EE	\$ 1.0249	-	\$ 1.0249	-	\$ 1.0249	-	\$ 1.0249	-
Efficient Business Solutions	EE	\$ 0.0448	136	\$ 0.0491	146	\$ 0.0456	139	\$ 0.0448	136
Custom	EE	\$ 0.0670	112	\$ 0.0729	115	\$ 0.0695	109	\$ 0.0632	104
Virtual Commissioning	EE	\$ 0.0458	59	\$ 0.0416	64	\$ 0.0410	59	\$ 0.0425	61
Recommissioning and Building Tune-Up	EE	\$ 0.0879	633	\$ 0.0885	622	\$ 0.0869	628	\$ 0.0871	627
Commission Start and Power	EE	\$ 0.0602	2,635	\$ 0.0604	2,616	\$ 0.0610	2,643	\$ 0.0605	2,632
Commercial and Midstream	EE	\$ 0.0087	73	\$ 0.0088	74	\$ 0.0087	74	\$ 0.0087	74
Commercial Communities	EE	\$ 0.0166	131	\$ 0.0173	137	\$ 0.0174	137	\$ 0.0171	135
Commercial and Industrial EEC Programs Subtotal	EE	\$ 0.0571	328	\$ 0.0763	467	\$ 0.0765	456	\$ 0.0705	418
Commercial and Industrial Electrification Programs	Electrification	\$ 0.0338	164	\$ 0.0348	167	\$ 0.0351	161	\$ 0.0346	164
Commercial Building Electrification	Electrification	\$ 0.0104	105	\$ 0.0109	83	\$ 0.0073	80	\$ 0.0080	85
Commercial and Industrial Electrification Programs Subtotal	Electrification	\$ 0.0104	105	\$ 0.0079	83	\$ 0.0073	80	\$ 0.0080	85
Energy Efficiency and Conservation Subtotal		\$ 0.0479	227	\$ 0.0562	253	\$ 0.0621	254	\$ 0.0611	228
Demand Response Programs									
Residential Demand Response Program		\$ 53.6901	80	\$ 96.9087	80	\$ 97.9690	90	\$ 96.1911	265
Small Commercial Demand Response Program		\$ 174.9967	72	\$ 183.8300	76	\$ 176.8125	77	\$ 104.3068	225
Demand Response Programs Subtotal		\$ 98.6832	85	\$ 99.2583	88	\$ 94.8610	89	\$ 97.7433	220
Other Programs									
Conservation Voltage Reduction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Trans		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Emp-POWER Maryland Portfolio Total									
All Program Total		\$ 0.0588	153	\$ 0.0754	169	\$ 0.0976	167	\$ 0.0751	228
Program Investigation Development and Design (PIDD)									
Energy Engineers									
Summer Energy Challenge									
Controlled Environment Agriculture									
PIDD Underscribed									
PIDD Programs Subtotal									

Table ES-5 Net Maximum Scenario

EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

Program Category (EE vs Electrification)		2024 Forecasted		2025 Forecasted		2026 Forecasted		2024-2026 Forecasted	
		Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kWh Demand Reduced (\$)
Energy Efficiency and Conservation Programs									
Residential EEEC Programs									
Energy Efficient Products	EE	\$ 0.1158	\$ 1,136	\$ 0.1214	\$ 1,190	\$ 0.1232	\$ 1,268	\$ 0.1201	\$ 1,178
Appliance Rebates	EE	\$ 0.1044	\$ 1,099	\$ 0.1090	\$ 1,148	\$ 0.1105	\$ 1,164	\$ 0.1080	\$ 1,137
Appliance Recycling	EE	\$ 0.2198	\$ 1,313	\$ 0.2242	\$ 1,368	\$ 0.2287	\$ 1,426	\$ 0.2212	\$ 1,379
Home Retrofits	EE	\$ 0.0965	\$ 484	\$ 0.1066	\$ 525	\$ 0.1060	\$ 515	\$ 0.1030	\$ 510
Quick Home Energy Check-Up	EE	\$ 0.0405	\$ 445	\$ 0.0640	\$ 612	\$ 0.0644	\$ 616	\$ 0.0593	\$ 551
Home Performance	EE	\$ 0.1429	\$ 468	\$ 0.1421	\$ 464	\$ 0.1406	\$ 458	\$ 0.1419	\$ 463
HVAC Rebates	EE	\$ 0.1323	\$ 667	\$ 0.3117	\$ 712	\$ 0.3171	\$ 732	\$ 0.3137	\$ 704
School and Education	EE	\$ 0.0358	\$ 494	\$ 0.0368	\$ 508	\$ 0.0371	\$ 512	\$ 0.0366	\$ 505
Residential New Construction	EE	\$ 0.0578	\$ 203	\$ 0.0581	\$ 208	\$ 0.0572	\$ 209	\$ 0.0577	\$ 207
Efficiency for Affordable Housing	EE	\$ 0.2258	\$ 1,220	\$ 0.2173	\$ 1,174	\$ 0.2176	\$ 1,176	\$ 0.2191	\$ 1,184
Behavior	EE	\$ 0.0440	\$ 257	\$ 0.0460	\$ 278	\$ 0.0459	\$ 276	\$ 0.0453	\$ 268
DHCD Cross Promotion	EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Programs Subtotal	EE	\$ 0.5402	\$ 3,299	\$ 0.5488	\$ 3,364	\$ 0.5504	\$ 3,390	\$ 0.5407	\$ 3,276
Energy Efficient Products	Electrification	\$ (8.6827)	\$ (871)	\$ (8.6591)	\$ (405)	\$ (8.6257)	\$ (263)	\$ (8.6378)	\$ (490)
Appliance Rebates	Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0297)	\$ (263)	\$ (0.0378)	\$ (390)
Residential Electrification Programs Subtotal	Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0297)	\$ (263)	\$ (0.0378)	\$ (390)
Commercial and Industrial EEEC Programs									
Small Business	EE	\$ 0.0811	\$ 465	\$ 0.0820	\$ 471	\$ 0.0823	\$ 472	\$ 0.0818	\$ 469
Commercial Customer Engagement Ports	EE	\$ 1.0792	\$ -	\$ 1.0792	\$ -	\$ 1.0792	\$ -	\$ 1.0792	\$ -
Efficient Business Solutions	EE	\$ 0.8418	\$ 3,935	\$ 0.3966	\$ 3,914	\$ 0.3886	\$ 3,946	\$ 0.3735	\$ 169
Prescriptive	EE	\$ 0.1347	\$ 120	\$ 0.1223	\$ 113	\$ 0.1135	\$ 112	\$ 0.0957	\$ 86
Custom	EE	\$ 0.0965	\$ 86	\$ 0.0937	\$ 87	\$ 0.0926	\$ 91	\$ 0.0941	\$ 88
Virtual Commissioning	EE	\$ 0.1172	\$ 844	\$ 0.1140	\$ 820	\$ 0.1145	\$ 824	\$ 0.1151	\$ 829
Recommissioning and Building Tune-Up	EE	\$ 0.0665	\$ 2,865	\$ 0.0687	\$ 2,894	\$ 0.0673	\$ 2,924	\$ 0.0669	\$ 2,900
Commercial Heat and Power	EE	\$ 0.0059	\$ 75	\$ 0.0090	\$ 76	\$ 0.0091	\$ 78	\$ 0.0090	\$ 76
Commercial Midstream	EE	\$ 0.0198	\$ 156	\$ 0.0208	\$ 164	\$ 0.0209	\$ 165	\$ 0.0205	\$ 163
Energy Efficient Communities	EE	\$ 0.0716	\$ 401	\$ 0.0903	\$ 525	\$ 0.0890	\$ 521	\$ 0.0839	\$ 483
Commercial and Industrial EEEC Programs Subtotal	EE	\$ 2.8548	\$ 241	\$ 0.9871	\$ 209	\$ 0.9374	\$ 211	\$ 0.9364	\$ 210
Commercial Building Electrification	Electrification	\$ (0.1111)	\$ (113)	\$ (0.0083)	\$ (87)	\$ (0.0075)	\$ (82)	\$ (0.0083)	\$ (83)
Commercial and Industrial Electrification Programs	Electrification	\$ (0.1111)	\$ (113)	\$ (0.0083)	\$ (87)	\$ (0.0075)	\$ (82)	\$ (0.0083)	\$ (83)
Energy Efficiency and Conservation Subtotal		\$ 0.3735	\$ 293	\$ 0.0871	\$ 324	\$ 0.0927	\$ 333	\$ 0.0848	\$ 320
Demand Response Programs									
Residential Demand Response Program		\$ 93.6901	\$ 80	\$ 95.9087	\$ 80	\$ 97.9690	\$ 99	\$ 96.1911	\$ 265
Small Commercial Demand Response Program		\$ 174.9967	\$ 72	\$ 183.8300	\$ 76	\$ 176.5125	\$ 77	\$ 104.3068	\$ 225
Demand Response Programs Subtotal		\$ 98.8932	\$ 85	\$ 99.2583	\$ 88	\$ 94.8610	\$ 89	\$ 95.5664	\$ 265
Other Programs									
Conservation Voltage Reduction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Trans		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Emp-POWER Maryland Portfolio Total									
All Program Total		\$ 0.8021	\$ 216	\$ 0.1035	\$ 241	\$ 0.1216	\$ 241	\$ 0.1613	\$ 294
Program Investigation Development and Design (PIDD)									
Energy Engineers									
Summer Energy Challenge									
Controlled Environment Agriculture									
PIDD Underserved									
PIDD Programs Subtotal									

Attachment 2 – Residential and C&I Incentive Matrix

Attachment 2A: Residential Incentives			
Program	Subprogram	Measure ¹	Incentive Up to Amount ^{2,3}
Energy Efficient Products	Appliance Recycling	Refrigerator Recycling	\$150
		Freezer Recycling	\$150
		Mini Refrigerator Recycling	\$65
		Room Air Conditioner Recycling	\$65
		Dehumidifier Recycling	\$150
	Appliance Rebates	Clothes Washer - Eff	\$200
		Clothes Washer - Most Eff	\$250
		Refrigerator - Eff	\$250
		Refrigerator - Most Eff	\$300
		Beverage Coolers - Eff	\$75
		Freezers - Eff	\$200
		Freezers - Most Eff	\$250
		Clothes Dryer - Eff	\$200
		Clothes Dryer - Most Eff	\$250
		Air Purifier/Clnr - Eff	\$125
		Air Purifier/ Cleaner - Most Eff	\$125
		Room AC - Eff	\$150
		Room AC - Most Eff	\$150
		Dehumidifier - Eff	\$125
		Dehumidifier - Most Eff	\$125
		Heat Pump Water Heater	\$2,500
		Dishwasher - Eff	\$150
		Water Cooler - Eff	\$50
		EV Charging - Eff - Res	\$300
		Smart Thermostat - Eff	\$150
		Sound Bars - Eff	\$50
		Induction Cooktop - Eff	\$100
		Advanced Power Strip	\$50
		TVs	\$150
		Smart Home	\$150
		Occupancy Sensor / Control	\$25
		LED Holiday Lights	\$25
		Ceiling Fans - Eff	\$75
		FF Cooking to Induction Cooking (Cooktop, Wok, Stock Pot)	\$5,000
		FF Clothes Dryer to HP Clothes Dryer	\$3,750
		FF DHW to HPWH	\$5,500
		Wiring Upgrade (Panel, Circuits etc.)	\$5,000
		Clothes Dryer - Heat Pump	\$500
		1.5gpm Kitchen Aerator	\$7
		1.0gpm Bathroom Aerator	\$7
		1.75 gpm Showerhead	\$20
		Gas Storage WH - Most Eff	\$250
		Gas Tankless WH - Most Eff	\$450
		Direct Vent Gas Fireplace	\$75
		Gas Fireplace Tuneup	\$50
		Energy Conservation Kit	No cost to customer
		LED Fixtures	\$25
Home Retrofit	Home Energy Retrofit	FF Cooking to Induction Cooking (Cooktop, Wok, Stock Pot)	\$5,000
		FF Clothes Dryer to HP Clothes Dryer	\$3,750
		FF Frnce to ASHP	\$20,000
		FF Boiler to ASHP including ductwork	\$22,500
		FF Boiler to Air-Wtr HP	\$25,000
		FF Boiler to DMSHP (Multi Zone)	\$12,500
		FF DHW to HPWH	\$5,500
		Wiring Upgrade (Panel, Circuits etc.)	\$5,000
		Quick Home Energy Checkup (QHEC)	No cost to customer
		Smart Thermostat- (QHEC/HEIP)	\$400
		HVAC - Tune Up - (QHEC/HEIP)	\$275
		Comprehensive Audit	\$400
		Whole Home Retrofit Job	\$10,000
		Direct Install (QHEC/HEIP)	\$700

1. Consistent with the Commission's Order 84569, not all utilities offer all products and services listed. ID: Order #84569 at 7.

2. The Up to value supports Limited Time Offerings (LTO) and provides flexibility for demographic differences

3. Downstream rebates will vary but always be less than 'up to' values. POS/Mid Stream rebates will also vary pending retailer agreements but will always be less than the "Up to" values.

Attachment 2A: Residential Incentives			
Program	Subprogram	Measure ¹	Incentive Up to Amount ^{2,3}

Home Retrofit cont.	HVAC	Heat Pump - Air Source - Eff	\$2,000
		Heat Pump - Air Source - Most Eff	\$3,250
		Heat Pump - Cold Climate - Eff	\$3,250
		Heat Pump - Wtr & Geo - Eff	\$10,000
		Heat Pump - Ductless Mini - Single Zone Eff	\$1,250
		Heat Pump - Ductless Mini - Multi Zone Eff	\$2,000
		Central Air Conditioner - Eff	\$1,000
		Central Air Conditioner - Most Eff	\$1,500
		Air Conditioner - Ductless Mini - Eff	\$1,250
		PTAC	\$100
		PTHP	\$250
		Furnace Fans	\$100
		Smart Thermostat- Eff	\$150
		HVAC - Tune Up	\$275
		Circulating Pump	\$75
		Bathroom Fans	\$25
		HVAC Quality Install	\$100
		Heat Pump Water Heater - Eff	\$2,500
		FF Frnce to ASHP	\$20,000
		FF Boiler to ASHP including ductwork	\$22,500
		FF Boiler to Air-Wtr HP	\$25,000
		FF Boiler to DMSHP (Multi Zone)	\$12,500
		Wiring Upgrade (Panel, Circuits etc.)	\$5,000
		Gas Furnace - Eff	\$500
		Gas Furnace - Most Eff	\$700
		Gas Residential Boiler - Eff	\$475
		Gas Residential Boiler - Most Eff	\$775
		Combination Water/Space Heating - Most Eff	\$900
ENERGY STAR for New Homes	ENERGY STAR for New Homes	Smart Thermostat- Eff w/ Tune-up	\$275
		NC -Townhouse and Duplex Units	\$1,500
		NC - Two-on-Two Condominium Units	\$800
		NC - Single-family Detached Units	\$2,000
		NC - Multi Family Low Rise	\$700
		NC - Multi Family High Rise	\$650
		NC - Next Gen Homes	\$3,000
		Smart Thermostat - Eff	\$150
		NC - Gas Furnace - Eff	\$500
		NC - Gas Furnace - Most Eff	\$700
		NC - Gas Storage WH - Eff	\$150
		NC - Gas Storage WH - Most Eff	\$250
		NC - Gas Tankless WH - Most Eff	\$450
		NC - Direct Vent Gas Fireplace - Most Eff	\$100
		Heat Pump Water Heater - Eff	\$1,500
		Central Air Conditioner - Eff	\$1,500
		Heat Pump - Eff	\$3,250
		HVAC Grading	\$175
Demand Response - Residential	Load Control - Res	Load Control - Res	\$100
		Enrollment Incentive - Res	\$100

1. Consistent with the Commission's Order 84569, not all utilities offer all products and services listed. ID: Order #84569 at 7.

2. The Up to value supports Limited Time Offerings (LTO) and provides flexibility for demographic differences

3. Downstream rebates will vary but always be less than 'up to' values. POS/Mid Stream rebates will also vary pending retailer agreements but will always be less than the "Up to" values.

Attachment 2B: Statewide Commercial & Industrial Incentives for 2024-26		
Measure ¹	Paid	Up to Amount ^{2,3,4}
Retrofit & New Construction Performance Lighting		
LED TROFFER LUMINAIRES		
New LED linear recessed troffer/panel for 2x2 and 1x4 luminaires	Per Fixture	\$150
New LED linear recessed troffer/panel for 2x4 luminaires	Per Fixture	\$250
LED FLAT PANEL LUMINAIRES		
New LED flat panel for 2x2 and 1x4 luminaires	Per Panel	\$100
New LED flat panel for 2x4 luminaires	Per Panel	\$150
LED LINEAR AMBIENT/STAIRWELL LUMINAIRES		
New LED linear ambient luminaire with direct and indirect components or Vapor Tight, min. IP65	Per Foot	\$60
New LED linear ambient luminaire	Per Foot	\$60
New LED stairwell luminaire	Per Fixture	\$250
LED INTERIOR DIRECTIONAL LUMINAIRES		
New LED wall wash luminaire	Per Foot	\$50
New LED track/mono-point luminaire	Per Head	\$80
LED DISPLAY CASE LUMINAIRES		
New LED display case luminaire	Per Fixture	\$60
New LED display case luminaire installed in reach-in coolers/freezers	Per Fixture	\$80
LED HIGH/LOW BAY LUMINAIRES		
New LED high/low bay luminaire - DLC reported lumens between 5,000 lm - 9,999 lm	Per Fixture	\$400
New LED high/low bay luminaire - DLC reported lumens between 10,000 lm - 19,999 lm	Per Fixture	\$600
New LED high/low bay luminaire - DLC reported lumens between 20,000 lm - 29,999 lm	Per Fixture	\$800
New LED high/low bay luminaire - DLC reported lumens between 30,000 lm - 39,999 lm	Per Fixture	\$1000
New LED high/low bay luminaire - DLC reported lumens 40,000 lm or more	Per Fixture	\$1200
LED EXTERIOR LUMINAIRES		
New LED exterior luminaire - DLC reported lumens 4,999 lm or less	Per Fixture	\$300
New LED exterior luminaire - DLC reported lumens between 5,000 lm - 9,999 lm	Per Fixture	\$450
New LED exterior luminaire - DLC reported lumens between 10,000 lm - 19,999 lm	Per Fixture	\$600
New LED exterior luminaire - DLC reported lumens between 20,000 lm - 29,999 lm	Per Fixture	\$800
New LED exterior luminaire - DLC reported lumens between 30,000 lm - 39,999 lm	Per Fixture	\$1000
New LED exterior luminaire - DLC reported lumens 40,000 lm or more	Per Fixture	\$1250
LED RETROFIT KITS		
LED linear retrofit kit for 2x2 and 1x4 fixtures	Per Fixture	\$40
LED linear retrofit kit for 2x4 fixtures	Per Fixture	\$80
LED integrated retrofit kit for 2x2 and 1x4 fixtures	Per Fixture	\$150
LED integrated retrofit kit for 2x4 fixtures	Per Fixture	\$250
LED integrated flat panel retrofit kit for 2x2 and 1x4 fixtures	Per Panel Kit	\$50
LED integrated flat panel retrofit kit for 2x4 fixtures	Per Panel Kit	\$60
LED retrofit kit for linear ambient luminaire	Per Foot	\$40
LED retrofit kit for high/low bay luminaire	Per Fixture	\$175
LED retrofit kit for exterior luminaire	Per Fixture	\$175
Attachment 2B: Statewide Commercial & Industrial Incentives for 2024-26		
Measure ¹	Paid	Up to Amount ^{2,3,4}
Retrofit & New Construction Performance Lighting (Cont'd)		
LED ENERGY STAR FIXTURES		
New LED ENERGY STAR fixture - 1,499 lm or less	Per Fixture	\$80
New LED ENERGY STAR fixture - 1,500 lm - 2,999 lm	Per Fixture	\$150
New LED ENERGY STAR LED fixture - 3,000 lm or greater	Per Fixture	\$300
LED REPLACEMENT LAMPS		
LED linear replacement lamp with new LED driver	Per Lamp	\$15
LED mogul-screw base replacement for HID lamps and new external driver	Per Lamp	\$100
LED SIGN LIGHTING		
Exterior/Dusk-to-Dawn application	Per Watt Reduced	\$4
Interior application	Per Watt Reduced	\$4
24 hour operation	Per Watt Reduced	\$4
OTHER LIGHTING		
Design Lighting based on Wattage Reduction	Per Watt Reduced	\$5
Lighting Controls <i>*Remote-mounted controls are subject to be capped.</i>		
NETWORKED LIGHTING CONTROLS		
Networked lighting control w/local or cloud server required	Per Fixture	\$150
Networked lighting control - w/local or cloud server required - lower wattage fixtures/downlights	Per Fixture	\$50
Networked lighting control no server required	Per Fixture	\$125
Networked lighting control no server required - lower wattage fixtures/downlights	Per Fixture	\$25
DUAL DAYLIGHT/OCCUPANCY CONTROLS		
Dual daylight & occupancy sensor (DOS)	Per Fixture	\$80
Dual daylight & occupancy sensor (DOS) - lower wattage fixtures/downlights	Per Fixture	\$35
DAYLIGHT CONTROLS		
Daylight continuous dimming control	Per Fixture	\$60
Daylight continuous dimming control - lower wattage fixtures/downlights	Per Fixture	\$20
OCCUPANCY/VACANCY CONTROLS		
Vacancy control	Per Fixture	\$60
Vacancy control - lower wattage fixtures/downlights	Per Fixture	\$25
Occupancy control	Per Fixture	\$50
Occupancy control - lower wattage fixtures/downlights	Per Fixture	\$25
PERFORMANCE LIGHTING APPLICATIONS		
New LED Lighting Applications or Process Lighting	Per kWh reduced	Up to Custom Incentive Rate
New Construction Performance Lighting		
MEASURE CODE		
Tier 1 > 10% below Base LPD	Per Watt	\$4
Tier 2 > 20% below Base LPD	Per Watt	\$8
Attachment 2B: Statewide Commercial & Industrial Incentives for 2024-26		
Measure ¹	Paid	Up to Amount ^{2,3,4}
Unitary HVAC Equipment		
AIR CONDITIONERS AND HEAT PUMPS		
Air Conditioning (AC) only - all sizes	Per Ton	\$1000
WATER-COOLED AND EVAPORATIVE COOLING AIR CONDITIONERS		
<5.4 to <11.25 tons	Per Ton	\$800
>11.25 to > 63.3 tons	Per Ton	\$1000
Air Source or Water Source Heat Pumps - all sizes	Per Ton	\$1000
Variable Refrigerant Flow (VRF)	Per Ton	\$1200
VRF with Heat Recovery	Per Ton	\$1500
GEOTHERMAL HEAT PUMPS		
Geothermal Heat Pumps – (Ground Source/Ground Water Source) Tier I	Per Ton	\$1200
Geothermal Heat Pumps – (Ground Source/Ground Water Source) Tier II	Per Ton	\$1400
Ductless, Mini Split Air Conditioners or Heat Pumps - all sizes	Per Ton	\$500
PACKAGED TERMINAL AIR CONDITIONERS OR HEAT PUMPS		
<3/4 tons	Per Unit	\$250
≥3/4 and <1 tons	Per Unit	\$300
≥1 tons	Per Unit	\$500
Dual Enthalpy Economizer Controls	Per Unit	\$600
OTHER HVAC EQUIPMENT		
HVAC - Smart Thermostat	Per Unit	\$250
Dedicated Outdoor Air Systems	Per CFM	\$600
Efficient Air Filters	Per Unit	\$600
Heat Seal Wrappers	Per Unit	\$400
Chillers		
Air-Cooled Chiller with Condenser	Per Ton	\$3000
WATER-COOLED SCREW CHILLER & RECIPROCATING CHILLERS		
< 150 tons	Per Ton	\$3000
≥ 150 tons and < 300 tons	Per Ton	\$3000
≥ 300 tons and < 600 tons	Per Ton	\$3000
≥ 600 and ≤1000 tons	Per Ton	\$3000
WATER-COOLED CENTRIFUGAL CHILLERS		
< 150 tons	Per Ton	\$3000
≥ 150 tons and < 300 tons	Per Ton	\$3000
≥ 300 tons and < 400 tons	Per Ton	\$3000
≥ 400 and < 600 tons	Per Ton	\$3000
>600 tons and < 1000 tons	Per Ton	\$3000
Chillers with a VFD		
Air-Cooled Chiller with Condenser	Per Ton	\$3000
WATER-COOLED SCREW AND RECIPROCATING CHILLERS		
< 75 tons	Per Ton	\$3000
≥ 75 tons and < 1000 tons	Per Ton	\$3000
WATER-COOLED CENTRIFUGAL CHILLERS		
< 150 tons and < 300 tons	Per Ton	\$3000
≥ 300 tons and < 600 tons	Per Ton	\$3000
≥ 600 tons and ≤1000 tons	Per Ton	\$3000
Multiple Chiller Plant Systems	Per Ton	\$3000
PERFORMANCE HVAC APPLICATIONS		
New HVAC Applications	Per kWh reduced	Up to Custom Incentive Rate

Attachment 2B: Statewide Commercial & Industrial Incentives for 2024-26		
Measure ¹	Paid	Up to Amount ^{2,3,4}
Refrigeration Measures		
Anti-Fog Film	Per Sq. Ft.	\$35
Anti-Sweat Heat Control	Per Door	\$150
ECM Evaporator Fan Motor	Per Unit	\$200
Evaporator/Compressor Controller	Per Cooler	\$1500
Evaporator Fan Controller on Existing Shaded-Pole Motor	Per Unit	\$300
Night Covers - Open Reach-In Coolers	Per Case	\$1500
Reach-In Door Closer	Per Unit	\$150
Refrigeration Display Case Doors on Open Display Case	Per Case	\$1500
Gaskets	Per Ln Ft.	\$10
Strip Curtains for Walk-In Coolers and Freezers	Per Sq. Ft.	\$10
Variable Frequency Drives		
Horse Power		
2	Per unit	\$1500
3	Per unit	\$1800
4	Per unit	\$2200
5	Per unit	\$2600
7.5	Per unit	\$3000
10	Per unit	\$3500
15	Per unit	\$4000
20	Per unit	\$5000
25	Per unit	\$6000
30	Per unit	\$8000
40	Per unit	\$10000
50	Per unit	\$12000
60	Per unit	\$14000
75	Per unit	\$17000
100	Per unit	\$20000
>100 to <200	Per HP	\$200
EC Motors (NEW)		
<1 HP	Per unit	\$500
1 HP	Per unit	\$500
2 HP	Per unit	\$600
3-5 HP	Per unit	\$1000
6-10 HP	Per unit	\$1500
11+ HP	Per unit	\$2500
Variable Speed Air Compressors	Per HP (up to 100 HP)	\$400
Attachment 2B: Statewide Commercial & Industrial Incentives for 2024-26		
Measure ¹	Paid	Up to Amount ^{2,3,4}
Commercial Kitchen, Appliance, & Plug Load Equipment		
COMMERCIAL DISHWASHERS		
High Temperature Under Counter	Per Unit	\$600
High Temperature Door Type	Per Unit	\$1000
High Temperature Single Tank Conveyor	Per Unit	\$1600
High Temperature Multi Tank Conveyor	Per Unit	\$2400
Low Temperature Under Counter	Per Unit	\$150
Low Temperature Door Type	Per Unit	\$800
Low Temperature Single Tank Conveyor	Per Unit	\$800
Low Temperature Multi Tank Conveyor	Per Unit	\$1200
FAT FRYERS		
Open Deep Fat Fryers	Per Unit	\$700
Large Vat Fryers	Per Unit	\$700
Griddles	Per Unit	\$900
INSULATED HOLDING CABINETS		
Full-Size Cabinets	Per Unit	\$900
Three-Quarter Size Cabinets	Per Unit	\$800
Half-Size Cabinets	Per Unit	\$700
OTHER FOOD SERVICE		
Energy Star Beverage Vending Machine	Per Unit	\$300
Induction Warmer/Rethernalizer Well	Per Unit	\$800
Coffee Brewers	Per Unit	\$400
Pre Rinse Sprayer	Per Unit	\$200
ICE MACHINES		
ICE MACHINE - CEE TIER I		
< 450 lbs. per 24 hrs.	Per Unit	\$250
450–1,000 lbs. per 24 hrs.	Per Unit	\$400
> 1,000 lbs. per 24 hrs.	Per Unit	\$750
ICE MACHINE - CEE TIER II		
Cube & Nugget (< 450 lbs. per 24 hrs.)	Per Unit	\$400
Cube & Nugget (450–1,000 lbs. per 24 hrs.)	Per Unit	\$500
Cube & Nugget (> 1,000 lbs. per 24 hrs.)	Per Unit	\$700
Flake (< 450 lbs. per 24 hrs.)	Per Unit	\$500
Flake (450–1,000 lbs. per 24 hrs.) \$175	Per Unit	\$800
Flake (> 1,000 lbs. per 24 hrs.)	Per Unit	\$1000
OVENS		
Convection Ovens	Per Unit	\$1000
Combination Ovens	Per Unit	\$3000
Attachment 2B: Statewide Commercial & Industrial Incentives for 2024-26		
Measure ¹	Paid	Up to Amount ^{2,3,4}
REFRIGERATORS & FREEZERS		
SOLID DOOR REACH-IN REFRIGERATORS		
< 19 cubic ft	Per Unit	\$500
19-20 cubic ft	Per Unit	\$700
21-60 cubic ft	Per Unit	\$1000
61-90 cubic ft	Per Unit	\$1200
SOLID DOOR REACH-IN FREEZERS		
< 19 cubic ft	Per Unit	\$600
19-20 cubic ft	Per Unit	\$1000
21-60 cubic ft	Per Unit	\$1500
61-90 cubic ft	Per Unit	\$2000
GLASS DOOR REACH-IN REFRIGERATORS		
< 19 cubic ft	Per Unit	\$400
19-20 cubic ft	Per Unit	\$600
21-60 cubic ft	Per Unit	\$800
61-90 cubic ft	Per Unit	\$1000
GLASS DOOR REACH-IN FREEZERS		
< 19 cubic ft	Per Unit	\$500
19-20 cubic ft	Per Unit	\$750
21-60 cubic ft	Per Unit	\$1000
61-90 cubic ft	Per Unit	\$1700
Spray Rinse Valves	Per Unit	\$300
Steam Cookers	Per Pan	\$400
COMMERICAL APPLIANCES		
CLOTHES WASHER		
CEE Tier 1	Per Unit	\$500
CEE Tier 2	Per Unit	\$750
APPLIANCES		
ENERGY STAR Dehumidifier	Per Unit	\$50
ENERGY STAR Room Air Conditioner	Per Unit	\$50
ENERGY STAR Water Cooler	Per Unit	\$100
Heat Pump Water Heater - C&I	Per Unit	\$3500
PLUG LOAD CONTROLS		
Personal Occupancy Sensor	Per Unit	\$40
Hotel Room HVAC Controls	Per Unit	\$300
Hotel Room HVAC/Receptacle Control	Per Unit	\$40
Smart Power Strip	Per Unit	\$40
Smart Outlets	Per Unit	\$100
VENDING MACHINE CONTROLS		
Non-Refrigerated	Per Unit	\$100
Refrigerated	Per Unit	\$250
COMPRESSED AIR MEASURES		
Cycling Refrigerated Thermal Mass Dryer	Per HP	\$500
Air Entraining Air Nozzle	Per Unit	\$800
No-Loss Condensate Drains	Per Unit	\$800
Air Tanks for Load/No Load Compressors (<50 HP)	Per Unit	\$6000
Air Tanks for Load/No Load Compressors (50-150 HP)	Per Unit	\$12000
Air Tanks for Load/No Load Compressors (>150 HP)	Per Unit	\$20000
Kitchen Hood Demand Control Ventilation	Per HP	\$750
Building Envelope Measures		

White Roof	Per kWh reduced	\$4
Window Glazing	Per kWh reduced	\$4
Installation of energy efficient window film	Per Sq. Ft.	\$7
Insulation	Per Sq. Ft.	\$5
Attachment 2B: Statewide Commercial & Industrial Incentives for 2024-26		
Measure ¹	Paid	Up to Amount ^{2,3,4}
CONSUMER ELECTRONICS		
Monitors - C&I	Per Unit	\$50
Computers - C&I	Per Unit	\$50
Uninterruptible Power Supply (UPS)	Per kVA	\$200
Imaging - C&I	Per Unit	\$60
Small Network PC Controller	Per PC Controlled	\$60
EV CHARGERS		
EV CHARGERS	per unit/per kWh	\$1000 or custom rate
AGRICULTURE		
Auto Milker Takeoff	Per Unit	\$200
Dairy Scroll Compressor	Per Unit	\$2000
HE Ventilation Fans	Per Unit	\$450
Heat Reclaimers	Per Unit	\$2000
High Volume Low Speed Fans (Destratification)	Per Ft of Fan Blade	\$50
Livestock Waterer	Per Unit	\$125
Dairy Vac Pump VSD Controls	Per Unit	\$2000
Low Pressure Irrigation	Per acre	\$200
Dairy Refrigeration Tune-Up	Per Unit	\$500
Engine Block Heater Timer	Per Unit	\$50
RECYCLING		
Dehumidifier Recycling	Per Unit	See Residential Table
Refrigerator Recycling	Per Unit	See Residential Table
Freezer Recycling	Per Unit	See Residential Table
Room A/C Unit Recycling	Per Unit	See Residential Table
APPLIANCES - Non Commercial Duty		
Clothes Washer Tier 2 - C&I	Per Unit	\$200
Clothes Washer Tier 3 - C&I	Per Unit	\$200
Clothes Dryer (w Moisture Snr) - C&I	Per Unit	\$100
Refrigerators Tier 2 - C&I	Per Unit	\$200
Refrigerators Tier 3 - C&I	Per Unit	\$200
ES Freezer - C&I	Per Unit	\$100
HVAC MAINTENANCE		
Single compressor units	Per Unit	\$250
Multiple compressor units	Per Unit	\$350
All units that do not post test results indicate less than 10% increase in system effective efficiency	Per Unit	\$75
PTAC, PTHP, MiniSplits	Per Unit	\$200
CUSTOM PROJECTS		
Incentives for Custom projects are up to 50 percent of the total project cost for retrofit projects, and up to 75 percent of the incremental cost for new construction or major renovation projects. Incentives are capped at \$1 million per project, per customer, per year.	per kWh	\$2
Attachment 2B: Statewide Commercial & Industrial Incentives for 2024-26		
Measure ¹	Paid	Up to Amount ^{2,3,4}
COMBINED HEAT AND POWER SYSTEMS - CHP		
	50 kW or less	\$3,000/kW
Incentives for Combined Heat and Power (CHP) projects will be capped at \$4 million per project and limited to 1 project per customer site every three years.	51kW to 200kW	\$2,500/kW
	201kW to 1,000kW	\$2,000/kW
	larger than 1,000kW	\$1,200/kW

1. Consistent with the Commission's Order 84569, not all utilities offer all products and services listed. ID: Order #84569.
2. Tiered rebate amounts may be offered within the incentive ranges listed above for qualified measures that have varying characteristics (e.g. size, features, etc.)
3. Prescriptive rebates or performance based incentives may be offered in lieu of the performance or prescriptive amounts listed as long as they are within the Up To Amounts listed.
4. Additional measure-specific incentive details may be outlined in an application's Program Terms and Conditions.

Attachment 3 – Avoided Cost and Benefit Assumptions

Avoided Gas Costs - PEPCO			
MDE Policy Case - May 2023			
Calendar Year	Total Natural Gas Avoided Costs (2023\$/MMBTU)		
	Residential		Non Residential
2023	\$	5.55	\$ 5.55
2024	\$	4.85	\$ 4.85
2025	\$	4.78	\$ 4.78
2026	\$	4.70	\$ 4.70
2027	\$	4.54	\$ 4.54
2028	\$	4.67	\$ 4.67
2029	\$	4.82	\$ 4.82
2030	\$	4.97	\$ 4.97
2031	\$	5.12	\$ 5.12
2032	\$	5.28	\$ 5.28
2033	\$	5.44	\$ 5.44
2034	\$	5.61	\$ 5.61
2035	\$	5.78	\$ 5.78
2036	\$	5.96	\$ 5.96
2037	\$	6.14	\$ 6.14
2038	\$	6.33	\$ 6.33
2039	\$	6.52	\$ 6.52
2040	\$	6.72	\$ 6.72
2041	\$	6.93	\$ 6.93
2042	\$	7.14	\$ 7.14
2043	\$	7.36	\$ 7.36
2044	\$	7.59	\$ 7.59
2045	\$	7.82	\$ 7.82
2046	\$	8.07	\$ 8.07
2047	\$	8.31	\$ 8.31
2048	\$	8.57	\$ 8.57
2049	\$	8.83	\$ 8.83
2050	\$	9.10	\$ 9.10

Notes: Excludes DRIPE

Avoided Gas Costs - PEPCO			
MDE Policy Case - May 2023			
Calendar Year	Natural Gas DRIPE Costs (2023\$/MMBTU)		
	<i>Residential</i>	<i>Non-Residential</i>	
2023	\$ 0.000000005476	\$	0.000000005476
2024	\$ 0.000000005476	\$	0.000000005476
2025	\$ 0.000000005476	\$	0.000000005476
2026	\$ 0.000000005476	\$	0.000000005476
2027	\$ 0.000000005476	\$	0.000000005476
2028	\$ 0.000000005476	\$	0.000000005476
2029	\$ 0.000000005476	\$	0.000000005476
2030	\$ 0.000000005476	\$	0.000000005476
2031	\$ 0.000000005476	\$	0.000000005476
2032	\$ 0.000000005476	\$	0.000000005476
2033	\$ 0.000000005476	\$	0.000000005476
2034	\$ 0.000000005476	\$	0.000000005476
2035	\$ 0.000000005476	\$	0.000000005476
2036	\$ 0.000000005476	\$	0.000000005476
2037	\$ 0.000000005476	\$	0.000000005476
2038	\$ 0.000000005476	\$	0.000000005476
2039	\$ 0.000000005476	\$	0.000000005476
2040	\$ 0.000000005476	\$	0.000000005476
2041	\$ 0.000000005476	\$	0.000000005476
2042	\$ 0.000000005476	\$	0.000000005476
2043	\$ 0.000000005476	\$	0.000000005476
2044	\$ 0.000000005476	\$	0.000000005476
2045	\$ 0.000000005476	\$	0.000000005476
2046	\$ 0.000000005476	\$	0.000000005476
2047	\$ 0.000000005476	\$	0.000000005476
2048	\$ 0.000000005476	\$	0.000000005476
2049	\$ 0.000000005476	\$	0.000000005476
2050	\$ 0.000000005476	\$	0.000000005476

Avoided Capacity Cost - PEPCO MDE Policy Case - May 2023		
Calendar Year	Net Load Price of Capacity, \$/MWd, MW Premise Level	
2023	\$	91.53
2024	\$	59.32
2025	\$	67.10
2026	\$	89.30
2027	\$	106.20
2028	\$	108.67
2029	\$	111.20
2030	\$	175.57
2031	\$	266.16
2032	\$	272.36
2033	\$	278.71
2034	\$	285.20
2035	\$	291.85
2036	\$	298.65
2037	\$	305.60
2038	\$	312.72
2039	\$	320.01
2040	\$	327.47
2041	\$	335.10
2042	\$	342.91
2043	\$	350.90
2044	\$	359.07
2045	\$	367.44

Source: EmPOWER EAG, Avoided Capacity Cost.xls, dated May 15, 2023

T&D Avoided Cost - PEPCO MDE Policy Case - May 2023		
Calendar Year	Avoided T&D Cost, \$/MWd, Premise Level	
2023	\$	198.54
2024	\$	203.17
2025	\$	207.90
2026	\$	212.75
2027	\$	217.70
2028	\$	222.78
2029	\$	227.97
2030	\$	233.28
2031	\$	238.71
2032	\$	244.27
2033	\$	249.97
2034	\$	255.79
2035	\$	261.75
2036	\$	267.85
2037	\$	274.09
2038	\$	280.48
2039	\$	287.01
2040	\$	293.70
2041	\$	300.54
2042	\$	307.54
2043	\$	314.71
2044	\$	322.04
2045	\$	329.55

Inflation Rate: 2.33%

Source: EmPOWER EAG, Avoided T&D Costs v2.xls, dated May 15, 2023

Full-Requirements Cost, Nominal \$/MWh - PEPCO							
Calendar Year	Summer				Non-Summer		
	On-Peak		Off-Peak		On-Peak	Off-Peak	
2023	\$	55.27	\$	55.38	\$	65.94	\$ 67.60
2024	\$	46.70	\$	46.66	\$	53.65	\$ 56.69
2025	\$	42.56	\$	42.90	\$	46.38	\$ 49.41
2026	\$	42.93	\$	43.85	\$	40.55	\$ 44.56
2027	\$	43.36	\$	44.23	\$	38.27	\$ 42.56
2028	\$	42.78	\$	44.67	\$	36.85	\$ 41.82
2029	\$	42.45	\$	46.45	\$	36.80	\$ 43.40
2030	\$	30.89	\$	33.41	\$	33.38	\$ 38.92
2031	\$	30.35	\$	33.65	\$	33.17	\$ 39.25
2032	\$	30.73	\$	33.82	\$	33.32	\$ 39.99
2033	\$	31.19	\$	34.49	\$	34.68	\$ 40.53
2034	\$	30.40	\$	36.32	\$	34.76	\$ 42.02
2035	\$	29.85	\$	37.72	\$	35.00	\$ 43.45
2036	\$	30.64	\$	38.15	\$	36.09	\$ 43.73
2037	\$	30.78	\$	39.43	\$	36.55	\$ 45.41
2038	\$	32.10	\$	39.92	\$	37.78	\$ 46.66
2039	\$	31.27	\$	38.86	\$	37.44	\$ 45.53
2040	\$	27.26	\$	38.08	\$	35.16	\$ 45.36
2041	\$	28.41	\$	38.00	\$	36.87	\$ 46.40
2042	\$	28.87	\$	37.80	\$	37.35	\$ 47.17
2043	\$	29.23	\$	37.45	\$	37.62	\$ 47.76
2044	\$	30.35	\$	36.42	\$	39.28	\$ 47.19
2045	\$	30.17	\$	41.77	\$	36.55	\$ 45.49

Note: Excludes RPS

Source: EmPOWER EAG, Avoided Energy Summary - Loper Recommended.xls, dated July 10, 2023

Water Rates - PEPCO		
MDE Policy Case - May 2023		
Calendar Year	Water Rates (\$/Thousand Gallons)	
	<i>Residential</i>	<i>Non-Residential</i>
2020	\$ 12.88	\$ 12.94
2021	\$ 13.18	\$ 13.24
2022	\$ 13.48	\$ 13.55
2023	\$ 13.80	\$ 13.87
2024	\$ 14.12	\$ 14.19
2025	\$ 14.45	\$ 14.52
2026	\$ 14.78	\$ 14.86
2027	\$ 15.13	\$ 15.21
2028	\$ 15.48	\$ 15.56
2029	\$ 15.84	\$ 15.92
2030	\$ 16.21	\$ 16.29
2031	\$ 16.59	\$ 16.67
2032	\$ 16.97	\$ 17.06
2033	\$ 17.37	\$ 17.46
2034	\$ 17.77	\$ 17.87
2035	\$ 18.19	\$ 18.28
2036	\$ 18.61	\$ 18.71
2037	\$ 19.05	\$ 19.14
2038	\$ 19.49	\$ 19.59
2039	\$ 19.94	\$ 20.05
2040	\$ 20.41	\$ 20.51
2041	\$ 20.88	\$ 20.99
2042	\$ 21.37	\$ 21.48
2043	\$ 21.87	\$ 21.98
2044	\$ 22.38	\$ 22.49
2045	\$ 22.90	\$ 23.02

Source: Loper Energy, MD Water Benefits 2023 - 26.xls, modified June 12, 2023.

Capacity DRIPE
Jun 2023
Summary

PEPCO - Capacity DRIPE		\$/MWh Applied to EmPower Programs Capacity Reductions (at premise level)									
Calendar Year		2022	2023	2024	2025	2026	2027	2028	2029		
Calendar Capacity DRIPE, \$/MWd per 1 MW ICAP Incremental Reduction		\$	49.30	\$	56.71	\$	49.21	\$	49.02	\$	49.02
Capacity DRIPE, 2024 Incremental Installations, \$/MWd				\$	56.71	\$	49.21	\$	49.02	\$	49.02
Capacity DRIPE, 2025 Incremental Installations, \$/MWd					\$	49.21	\$	49.02	\$	49.02	
Capacity DRIPE, 2026 Incremental Installations, \$/MWd						\$	49.02	\$	49.02	\$	49.02

Source: EmPOWER EAG, Capacity DRIPE v3.xls, dated June 20, 2023

Energy DRIPE
May 2023
Summary

PEPCO - Energy DRIPE		\$/MWh Applied to EmPower Programs Energy Reductions (at premise level)											
Calendar Year		2022	2023	2024	2025	2026	2027	2028	2029				
DRIPE for 2024 EE Measure, \$/MWh				\$ 9.18	\$ 13.64	\$ 16.62	\$ 13.46	\$ -	\$ -				
DRIPE for 2025 EE Measure, \$/MWh				\$ 8.04	\$ 12.57	\$ 16.10	\$ 13.2	\$ -					
DRIPE for 2026 EE Measure, \$/MWh					\$ 7.41	\$ 12.17	\$ 15.81	\$ 13.5					

Source: EmPOWER EAG, Energy DRIPE Policy Case v2.xls, dated July 10, 2023

INPUT	VALUE	SOURCE
INFLATION RATE		
Inflation	2.33%	Maryland Independent Program Evaluator Team
DISCOUNT RATE		
MJST	4.33% nominal (2% plus inflation)	Maryland Independent Program Evaluator Team
TRC, PCT, PAC, RIM	7.49%	PEPCO - post-tax WACC
LINE LOSS FACTORS		
Residential (kWh)	5.72%	PEPCO
Residential (kW)	9.63%	PEPCO
Commercial & Industrial (kWh)	5.72%	PEPCO
Commercial & Industrial (kW)	9.63%	PEPCO
Overall (kWh)	5.72%	PEPCO
Overall (kW)	9.63%	PEPCO
NON-ENERGY BENEFITS		
Avoided Emissions - CO2e (MJST)	per Avoided Emissions Calculator 2023-05.03 - v2.xls	Maryland Independent Program Evaluator Team
Risk Adder (MJST)	10% added to Energy benefit only (not capacity benefits)	FPWG cost effectiveness appendix
Health and Safety - Behavioral (MJST, TRC)	.113% added to Energy benefit only (not capacity benefits)	Maryland Independent Program Evaluator Team
Health and Safety - Insulation, Air Sealing, Fuel Switching (MJST, TRC)	10% added to Energy benefit only (not capacity benefits)	FPWG cost effectiveness appendix
Shell Comfort - HPwES, MIW (MJST, TRC,PCT)	\$42/year (\$2022) for 75% of participants	Maryland Independent Program Evaluator Team
Early Replacement HVAC Comfort (MJST, TRC, PCT)	\$33/year (\$2022) for 33% of participants	Maryland Independent Program Evaluator Team

Attachment 4 – Residential and C&I Electric EmPOWER Charges

Attachment 4 - Residential and C&I Electric EmPOWER MD Charges

Residential EmPOWER Charges and Bill Impacts for 2023 Scenario

Pepco Expense Cost-Recovery Model (2023 Scenario)			
Residential	Revenue Requirement	EmPOWER Surcharge (\$/kWh)	Average Monthly Charges (876 kWh/Month)***
2021 (Actual)*	\$34,714,442	\$0.006318	\$5.53
2022 (Actual)*	\$39,902,347	\$0.007151	\$6.26
2023 (Actual)*	\$46,791,019	\$0.008501	\$7.45
2024**	\$73,569,838	\$0.013302	\$11.65
2025**	\$110,157,746	\$0.019949	\$17.48
2026**	\$140,958,862	\$0.025545	\$22.38

*2021-2023 costs represent actual surcharge filings

**2024-2026 revenue requirements do not include a true-up for prior year over-/under-collections

***Based on average usage in Case No. 9702

Commercial EmPOWER Charges and Bill Impacts for 2023 Scenario

Pepco Expense Cost-Recovery Model (2023 Scenario)			
Commercial	Revenue Requirement	EmPOWER Surcharge (\$/kWh)	Average Monthly Charges (12,569 kWh/Month)***
2021 (Actual)*	\$50,940,852	\$0.006384	\$80.24
2022 (Actual)*	\$51,039,853	\$0.006767	\$85.05
2023 (Actual)*	\$48,800,635	\$0.006600	\$82.96
2024**	\$77,190,856	\$0.010441	\$131.23
2025**	\$101,242,408	\$0.013694	\$172.12
2026**	\$115,798,537	\$0.015663	\$196.87

*2021-2023 costs represent actual surcharge filings

**2024-2026 revenue requirements do not include a true-up for prior year over-/under-collections

***Based on average usage in Case No. 9702

Residential EmPOWER Charges and Bill Impacts for Middle Scenario

Pepco Expense Cost-Recovery Model (Middle Scenario)			
Residential	Revenue Requirement	EmPOWER Surcharge (\$/kWh)	Average Monthly Charges (876 kWh/Month)***
2021 (Actual)*	\$34,714,442	\$0.006318	\$5.53
2022 (Actual)*	\$39,902,347	\$0.007151	\$6.26
2023 (Actual)*	\$46,791,019	\$0.008501	\$7.45
2024**	\$76,345,712	\$0.013807	\$12.09
2025**	\$124,412,168	\$0.022539	\$19.74
2026**	\$174,489,981	\$0.031637	\$27.71

*2021-2023 costs represent actual surcharge filings

**2024-2026 revenue requirements do not include a true-up for prior year over-/under-collections

***Based on average usage in Case No. 9702

Commercial EmPOWER Charges and Bill Impacts for Middle Scenario

Pepco Expense Cost-Recovery Model (Middle Scenario)			
Commercial	Revenue Requirement	EmPOWER Surcharge (\$/kWh)	Average Monthly Charges (12,569 kWh/Month)***
2021 (Actual)*	\$50,940,852	\$0.006384	\$80.24
2022 (Actual)*	\$51,039,853	\$0.006767	\$85.05
2023 (Actual)*	\$48,800,635	\$0.006600	\$82.96
2024**	\$77,878,879	\$0.010534	\$132.40
2025**	\$103,203,267	\$0.013959	\$175.46
2026**	\$119,520,331	\$0.016167	\$203.20

*2021-2023 costs represent actual surcharge filings

**2024-2026 revenue requirements do not include a true-up for prior year over-/under-collections

***Based on average usage in Case No. 9702

Residential EmPOWER Charges and Bill Impacts for Maximum Scenario

Pepco Expense Cost-Recovery Model (Maximum Scenario)			
Residential	Revenue Requirement	EmPOWER Surcharge (\$/kWh)	Average Monthly Charges (876 kWh/Month)***
2021 (Actual)*	\$34,714,442	\$0.006318	\$5.53
2022 (Actual)*	\$39,902,347	\$0.007151	\$6.26
2023 (Actual)*	\$46,791,019	\$0.008501	\$7.45
2024**	\$95,018,623	\$0.017199	\$15.07
2025**	\$183,150,000	\$0.033211	\$29.09
2026**	\$257,153,803	\$0.046656	\$40.87

*2021-2023 costs represent actual surcharge filings

**2024-2026 revenue requirements do not include a true-up for prior year over-/under-collections

***Based on average usage in Case No. 9702

Commercial EmPOWER Charges and Bill Impacts for Maximum Scenario

Pepco Expense Cost-Recovery Model (Maximum Scenario)			
Commercial	Revenue Requirement	EmPOWER Surcharge (\$/kWh)	Average Monthly Charges (12,569 kWh/Month)***
2021 (Actual)*	\$50,940,852	\$0.006384	\$80.24
2022 (Actual)*	\$51,039,853	\$0.006767	\$85.05
2023 (Actual)*	\$48,800,635	\$0.006600	\$82.96
2024**	\$107,314,661	\$0.014516	\$182.45
2025**	\$171,237,512	\$0.023162	\$291.12
2026**	\$214,523,671	\$0.029017	\$364.71

*2021-2023 costs represent actual surcharge filings

**2024-2026 revenue requirements do not include a true-up for prior year over-/under-collections

***Based on average usage in Case No. 9702

Table ES-1 Gross 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																									
Program Category (EE vs Electrification)	2024 Forecasted Metrics						2025 Forecasted Metrics						2026 Forecasted Metrics						2024-2026 Forecasted Metrics						
	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	
Energy Efficiency and Conservation Programs																									
Residential EE&C Programs	EE	46,499	19,122	113,709	1.11	12.35	22,295	46,999	19,676	119,417	1.13	12.60	20,314	140,408	31,474	352,542	3.37	37.56	64,505	131,696	23,158	302,946	2.02	29.60	
Energy Efficient Products	EE	43,586	7,350	97,177	0.66	9.70	18,202	44,055	7,904	102,865	0.68	9.95	18,091	44,055	7,904	102,865	0.68	9.95	18,795	131,696	23,158	302,946	2.02	29.60	
Appliance Rebates	EE	2,904	2,772	16,532	0.45	2.65	4,093	2,904	2,772	16,532	0.45	2.65	3,805	2,904	2,772	16,532	0.45	2.65	3,519	8,712	8,316	49,597	1.35	7.95	
Appliance Recycling	EE	37,222	22,254	324,531	4.33	69.63	60,894	37,495	21,190	306,284	4.27	68.81	50,114	37,700	19,449	280,385	4.06	65.63	42,755	112,415	62,893	912,890	12.86	204.07	
Home Retrofit	EE	15,480	12,273	142,541	1.30	15.79	27,972	15,480	10,915	120,820	1.14	13.15	22,443	15,480	9,090	81,063	0.91	9.60	16,335	46,440	32,278	354,984	3.35	38.55	
Quick Home Energy Check-Up	EE	3,150	5,451	119,130	1.86	40.95	17,651	3,200	5,590	124,288	1.94	42.62	17,196	3,250	5,741	125,414	1.95	42.96	16,178	9,600	16,882	368,833	5.75	126.53	
Home Performance	EE	3,792	1,835	22,237	1.00	10.33	7,617	4,013	1,890	22,672	1.02	10.48	3,545	4,170	1,923	22,895	1.03	10.50	3,867	11,975	5,648	67,803	3.05	31.31	
HVAC Rebates	EE	2,955	2,095	40,426	0.17	2.66	7,454	14,800	2,695	40,423	0.17	2.66	6,930	14,800	2,695	40,423	0.17	2.66	6,375	44,600	8,085	121,270	0.51	7.68	
School and Education	EE	919	1,248	35,030	0.34	10.22	4,295	965	1,329	37,150	0.36	10.75	4,208	1,014	1,416	39,440	0.38	11.28	4,112	2,897	3,903	111,619	1.08	32.26	
Residential New Construction	EE	11,614	2,656	28,671	0.53	5.50	5,895	24,862	7,124	76,288	1.49	15.36	14,746	24,862	7,124	76,288	1.49	15.36	13,700	61,338	16,904	181,248	3.51	36.22	
Efficiency for Affordable Housing	EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,008	55,008	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,563	350,000	163,993	163,993	9.42	9.42	
Behavioral	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Residential Programs Subtotal	EE	446,245	88,485	553,946	15.25	106.65	135,177	460,279	95,325	596,064	16.67	116.94	132,971	460,534	95,447	572,282	16.48	114.29	121,444	667,058	279,257	1,722,292	30.04	319.53	
Energy Efficient Products	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Appliance Rebates (Electrification)	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Residential Electrification Programs Subtotal	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Commercial and Industrial EE&C Programs	EE	2,792	28,325	388,711	4.72	67.63	60,851	2,792	28,325	388,711	4.72	67.63	55,955	2,792	28,325	388,711	4.72	67.63	50,964	8,376	84,975	1,166,134	14.16	202.90	
Small Business	EE	150	1,057	1,057	-	-	299	150	1,057	1,057	-	-	287	150	1,057	1,057	-	-	265	150	3,171	3,172	-	851	
Commercial Customer Engagement Portal	EE	921	64,912	665,776	22.68	334.85	136,528	1,025	78,942	1,099,186	26.99	384.30	152,836	1,032	81,916	1,099,187	28.75	424.12	143,000	2,979	224,870	3,614,750	77.52	1,143.27	
Efficient Business Solutions	EE	691	51,304	442,416	5.72	81.67	68,398	762	36,437	507,141	6.66	93.79	72,425	763	35,715	510,380	6.72	94.55	66,016	2,216	104,548	1,459,937	19.10	265.55	
Prescriptive	EE	82	20,751	321,226	16.48	249.40	48,202	101	28,590	440,728	18.91	286.35	60,731	107	30,386	468,090	21.51	325.41	58,699	290	79,727	1,230,045	56.90	861.17	
Custom	EE	13	1,565	12,517	0.22	1.74	2,442	14	1,713	13,701	0.24	1.90	2,457	14	1,713	13,701	0.24	1.90	2,251	42	4,991	39,920	0.70	5.55	
Virtual Commissioning	EE	135	11,202	89,517	0.26	2.05	17,486	148	12,202	97,616	0.28	2.25	17,505	147	12,202	97,616	0.28	2.25	16,034	431	35,056	284,846	0.82	6.55	
Retraining and Building Turn-Up	EE	4	21,144	528,600	2.50	62.57	18,566	4	21,144	528,600	2.50	62.57	23,309	4	21,144	528,600	2.50	62.57	27,386	12	63,432	1,585,800	7.50	187.72	
Combined Heat and Power	EE	2,623	29,091	432,810	3.69	54.67	66,214	2,624	29,128	433,361	3.70	54.86	60,893	2,624	29,128	433,361	3.70	54.86	55,348	7,871	87,347	1,299,532	11.09	164.38	
Commercial Midstream	EE	95	3,603	49,398	0.62	8.43	7,553	95	4,078	51,231	0.63	8.59	7,451	96	4,126	51,988	0.64	8.72	6,888	166	11,907	151,617	1.89	25.75	
Energy Efficient Communities	EE	6,545	148,132	2,265,343	34.21	528.16	282,489	6,650	162,674	2,462,147	37.64	577.96	254,113	6,658	164,796	2,493,515	40.31	617.90	229,080	19,554	475,602	7,221,004	112.16	1,724.92	
Commercial and Industrial EE&C Programs Subtotal	EE	6,545	148,132	2,265,343	34.21	528.16	282,489	6,650	162,674	2,462,147	37.64	577.96	254,113	6,658	164,796	2,493,515	40.31	617.90	229,080	19,554	475,602	7,221,004	112.16	1,724.92	
Commercial Building Electrification	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Commercial and Industrial Electrification Programs Subtotal	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Energy Efficiency and Conservation Subtotal		452,790	236,617	2,619,288	49.46	634.81	387,666	466,930	257,999	3,050,211	84.31	694.90	387,084	467,192	260,243	3,065,797	86.79	732.19	350,524	686,612	764,809	8,943,296	142.20	2,043.55	
Demand Response Programs																									
Residential Demand Response Program	-	215	215	234.69	234.69	54	-	216	216	234.94	234.94	52	-	216	216	234.94	234.94	47	-	647	647	234.94	234.94	153	
Small Commercial Demand Response Program	-	6	6	14.54	14.54	5	-	6	6	14.54	14.54	4	-	6	6	14.54	14.54	4	-	18	18	31	14.54	14.54	13
Demand Response Programs Subtotal	-	221	221	249.23	249.23	59	-	222	222	249.48	249.48	56	-	222	222	249.48	249.48	51	-	665	679	249.48	249.48	166	
Other Programs																									
Conservation Voltage Reduction	-	60,157	60,157	10.18	10.18	15,168	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,607	-	195,543	195,543	11.47	11.47	46,001	
Dynamic Pricing	-	308	308	94.24	94.24	76	-	308	308	94.24	94.24	74	-	308	308	94.24	94.24	66	-	924	923	94.24	94.24	219	
Transformers	-	728	21,840	0.17	5.10	184	-	819	24,570	0.19	5.70	196	-	819	24,570	0.19	5.70	177	-	2,366	70,980	0.55	16.50	557	
Beneficial Electrification	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Programs Subtotal	-	61,193	82,305	104.59	109.52	15,450	-	68,870	92,621	105.90	111.41	16,476	-	68,870	92,621	105.90	111.41	14,850	-	198,933	267,546	106.26	122.21	46,776	
EmPOWER Maryland Portfolio Total																									
All Program Total		452,790	298,031	2,901,815	493.28	993.56	403,175	466,930	327,991	3,151,054	409.69	1,055.79	403,616	467,192	329,335	3,158,663	412.17	1,093.08	366,425	686,612	954,497	9,211,621	497.94	2,415.23	
Total Plan EE and DR Only (Exclude Electrification)		452,790	298,031	2,901,815	493.28	993.56	403,175	466,930	327,991	3,151,054	409.69	1,055.79	403,616	467,192	329,335	3,158,663	412.17	1,093.08	366,425	686,612	954,497	9,211,621	497.94	2,415.23	
Program Investigation Development and Design (PIDD)																									
Energy Engineers																									
Summer Energy Challenge																									
Controlled Environment Agriculture																									
PIDD Unidentified																									
PIDD Programs Subtotal																									

EmPOWER Maryland 2024-2026 Scenario Forecast

Program Category (EE vs Electrification)		2024 Forecasted Metrics										2025 Forecasted Metrics										2026 Forecasted Metrics										2024-2026 Forecasted Metrics									
		Total Participants		Total Annualized Energy Savings (\$/MW)		Lifecycle Energy Savings (\$/MW)		Coincident Peak Demand Reduction (MW)		Lifecycle Demand Savings (\$/MW)		Lifecycle CO2e (Short Tons)		Total Participants		Total Annualized Energy Savings (\$/MW)		Lifecycle Energy Savings (\$/MW)		Coincident Peak Demand Reduction (MW)		Lifecycle Demand Savings (\$/MW)		Lifecycle CO2e (Short Tons)		Total Participants		Total Annualized Energy Savings (\$/MW)		Lifecycle Energy Savings (\$/MW)		Coincident Peak Demand Reduction (MW)		Lifecycle Demand Savings (\$/MW)		Lifecycle CO2e (Short Tons)					
		Participants	Energy Savings (\$/MW)	Energy Savings (\$/MW)	Demand Reduction (MW)	Demand Savings (\$/MW)	CO2e (Short Tons)	Participants	Energy Savings (\$/MW)	Energy Savings (\$/MW)	Demand Reduction (MW)	Demand Savings (\$/MW)	CO2e (Short Tons)	Participants	Energy Savings (\$/MW)	Energy Savings (\$/MW)	Demand Reduction (MW)	Demand Savings (\$/MW)	CO2e (Short Tons)	Participants	Energy Savings (\$/MW)	Energy Savings (\$/MW)	Demand Reduction (MW)	Demand Savings (\$/MW)	CO2e (Short Tons)	Participants	Energy Savings (\$/MW)	Energy Savings (\$/MW)	Demand Reduction (MW)	Demand Savings (\$/MW)	CO2e (Short Tons)										
Energy Efficiency and Conservation Programs																																									
Residential EERC Programs		EE	46,490	10,122	113,709	1.11	12.35	22,295	46,939	10,676	119,417	1.13	12.60	21,896	46,959	10,676	119,417	1.13	12.60	20,314	140,408	31,474	352,642	3.37	37.66	64,505	43,588	7,350	19,177	0.63	9.91	16,204	2.93	29.56	3,807	15,811	0.51	7.95	11,414		
Energy Efficient Products		EE	2,904	2,772	16,532	0.45	2.65	4,093	2,904	2,772	16,532	0.45	2.65	4,093	2,904	2,772	16,532	0.45	2.65	3,857	8,712	8,316	48,597	1.35	7.95	11,414	2,904	2,772	16,532	0.45	2.65	4,093	2.93	29.56	3,807	15,811	0.51	7.95	11,414		
Appliance Recycling		EE	3,150	5,451	119,130	1.88	40.95	17,651	3,150	5,451	119,130	1.88	40.95	17,651	3,150	5,451	119,130	1.88	40.95	17,651	8,600	16,862	368,633	6.75	126.51	51,623	3,150	5,451	119,130	1.88	40.95	17,651	8,600	16,862	368,633	6.75	126.51	51,623			
Home Retrofit		EE	37,493	22,254	324,331	4.33	69.63	60,894	37,493	21,190	308,204	4.27	68.81	50,114	37,490	19,449	280,355	4.06	65.63	42,735	112,415	62,893	912,880	12.86	284.67	153,983	37,493	21,190	308,204	4.27	68.81	50,114	112,415	62,893	912,880	12.86	284.67	153,983			
Quick Home Energy Check-Up		EE	15,480	22,254	124,541	1.33	19.69	27,872	15,480	10,915	120,820	1.14	13.15	22,443	15,480	9,000	91,623	0.91	9.60	16,335	35,440	32,278	354,884	3.35	38.55	66,760	15,480	22,254	124,541	1.33	19.69	27,872	35,440	32,278	354,884	3.35	38.55	66,760			
Home Performance		EE	3,150	5,451	119,130	1.88	40.95	17,651	3,150	5,690	124,298	1.94	42.82	17,198	3,250	5,741	125,414	1.95	42.98	16,678	8,600	16,862	368,633	6.75	126.51	51,623	3,150	5,451	119,130	1.88	40.95	17,651	8,600	16,862	368,633	6.75	126.51	51,623			
HVAC Rebates		EE	3,792	1,835	22,237	1.00	10.33	7,617	4,013	1,890	22,672	1.02	10.48	3,545	4,170	1,923	22,895	1.03	10.50	3,687	11,975	5,648	67,803	3.05	31.31	15,029	3,792	1,835	22,237	1.00	10.33	7,617	11,975	5,648	67,803	3.05	31.31	15,029			
School and Education		EE	14,800	2,695	40,423	0.17	2.56	7,454	14,800	2,695	40,423	0.17	2.56	6,930	14,800	2,695	40,423	0.17	2.56	6,375	44,400	8,085	121,270	0.51	7.66	20,769	14,800	2,695	40,423	0.17	2.56	7,454	44,400	8,085	121,270	0.51	7.66	20,769			
Residential New Construction		EE	919	1,248	35,030	0.34	10.22	4,266	965	1,320	37,150	0.38	10.75	4,208	1,014	1,410	39,440	0.38	11.28	4,112	2,397	3,993	111,619	1.08	32.28	12,244	919	1,248	35,030	0.34	10.22	4,266	2,397	3,993	111,619	1.08	32.28	12,244			
Efficiency for Affordable Housing		EE	11,614	2,656	26,671	0.53	5.50	5,895	24,862	7,124	76,288	1.49	15.36	14,748	24,862	7,124	76,288	1.49	15.36	13,700	61,338	16,904	94,124	2.45	31.32	34,931	11,614	2,656	26,671	0.53	5.50	5,895	61,338	16,904	94,124	2.45	31.32	34,931			
Behavioral		EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	43,003	350,000	163,993	163,993	9.42	9.42	124,368	350,000	52,205	52,205	8.94	8.94	41,998	350,000	56,782	56,782	9.42	9.42	43,003			
DHCD Crisis Promotion		EE																																							
Commercial and Industrial EERC Programs		EE	446,248	88,485	553,946	15.25	106.65	138,177	460,279	95,328	596,064	16.67	116.94	132,971	460,534	95,447	572,282	16.48	114.29	131,444	667,058	279,287	1,722,292	36.04	319.53	289,962	446,248	88,485	553,946	15.25	106.65	138,177	667,058	279,287	1,722,292	36.04	319.53	289,962			
Energy Efficient Products		Electrification	242	(306)	(4,969)	(0.03)	(0.47)	1,514	543	(703)	(11,528)	(0.07)	(1.11)	5,920	808	(1,216)	(9,732)	(0.12)	(1.33)	13,526	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360	242	(306)	(4,969)	(0.03)	(0.47)	1,514	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360			
Appliance Recycling		Electrification	242	(306)	(4,969)	(0.03)	(0.47)	1,514	543	(703)	(11,528)	(0.07)	(1.11)	5,920	808	(1,216)	(9,732)	(0.12)	(1.33)	13,526	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360	242	(306)	(4,969)	(0.03)	(0.47)	1,514	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360			
Residential Electrification Programs		Electrification	242	(306)	(4,969)	(0.03)	(0.47)	1,514	543	(703)	(11,528)	(0.07)	(1.11)	5,920	808	(1,216)	(9,732)	(0.12)	(1.33)	13,526	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360	242	(306)	(4,969)	(0.03)	(0.47)	1,514	1,691	(2,229)	(36,285)	(0.22)	(3.52)	21,360			
Commercial and Industrial EERC Programs		EE	2,792	28,325	388,711	4.72	67.63	60,851	2,792	28,325	388,711	4.72	67.63	55,865	2,792	28,325	388,711	4.72	67.63	50,964	8,376	84,975	1,166,134	14.16	202.90	167,770	2,792	28,325	388,711	4.72	67.63	60,851	8,376	84,975	1,166,134	14.16	202.90	167,770			
Small Business		EE	150	1,057	1,057	0.07	0.97	297	150	1,057	1,057	0.07	0.97	297	150	1,057	1,057	0.07	0.97	297	150	1,057	1,057	0.07	0.97	297	150	1,057	1,057	0.07	0.97	297	150	1,057	1,057	0.07	0.97	297			
Commercial Customer Engagement Portal		EE	821	64,912	865,776	2.28	334.45	136,628	1,025	79,942	1,098,186	26.09	384.30	152,836	1,032	81,016	1,097,787	28.78	424.12	143,000	2,979	224,870	3,014,750	77.52	1,427.34	432,364	821	64,912	865,776	2.28	334.45	136,628	2,979	224,870	3,014,750	77.52	1,427.34	432,364			
Efficient Business		EE	691	31,394	442,416	5.72	81.67	68,398	702	36,437	507,141	6.66	93.79	72,142	763	36,715	510,300	6.72	94.55	65,016	2,216	104,546	1,459,507	19.10	270.01	206,556	691	31,394	442,416	5.72	81.67	68,398	2,216	104,546	1,459,507	19.10	270.01	206,556			
Prescriptive		EE	82	20,751	321,226	16.48	249.40	48,302	101	26,940	449,728	26.68	403.79	60,731	107	30,368	468,000	31.51	325.41	68,677	290	79,727	1,230,045	56.80	861.16	167,623	82	20,751	321,226	16.48	249.40	48,302	290	79,727	1,230,045	56.80	861.16	167,623			
Custom		EE	13	1,565	12,517	0.22	1.74	2,442	14	1,713	13,701	0.24	1.90	2,457	14	1,713	13,701	0.24	1.90	2,451	42	4,991	39,920	0.70	5.55	7,770	13	1,565	12,517	0.22	1.74	2,442	42	4,991	39,920	0.70	5.55	7,770			
Virtual Commissioning		EE	126	11,202	89,617	0.26	2.65	17,499	148	12,202	97,616	0.28	2.25	17,508	148	12,202	97,616	0.28	2.25	16,634	431	35,606	294,646	0.82	6.65	51,026	126	11,202	89,617	0.26	2.65	17,499	431	35,606	294,646	0.82	6.65	51,026			
Retrocommissioning and Building Tune-Up		EE	21	21,144	22,624	0.26	2.65	17,499	21	21,144	22,624	0.26	2.65	17,499	21	21,144	22,624	0.26	2.65	17,499	12	14,632	1,585,900	0.70	5.55	7,770	21	21,144	22,624	0.26	2.65	17,499	12	14,632	1,585,900	0.70	5.55	7,770			
Combined Heat and Power		EE	2,835	29,091	432,810	3.69	54.67	66,214	2,824	29,128	433,361	3.70	54.68	60,983	2,824	29,128	433,361	3.70	54.68	55,345	7,871	87,347	1,299,532	11.09	164.38	182,425	2,835	29,091	432,810	3.69	54.67	66,214	7,871	87,347	1,299,532	11.09	164.38	182,425			
Commercial Midsize		EE	55	3,063	48,388	0.82	8.43	7,553	55	4,078	51,231	0.83	8.59	7,451	55	4,126	51,598	0.84	8.72	6,880	617	61,789	223,600	1.16	11.87	151,617	55	3,063	48,388	0.82	8.43	7,553	617	61,789	223,600	1.16	11.87	151,617			
Energy Efficient Commercial Buildings		EE	6,548	148,132	2,265,343	24.21	628.16	252,489	6,605	148,274	2,265,343	24.27	628.16	252,489	6,605	148,274	2,265,343	24.27	628.16	252,489	10,554	279,602	722,004	142.16	1,774.42	2,125,841	6,548	148,132	2,265,343	24.21	628.16	252,489	10,554	279,602	722,004	142.16	1,774.42	2,125,841			
Commercial and Industrial EERC Programs		Electrification	351	(7,760)	(139,774)	(1.13)	(13.73)	82,121	713	(20,094)	(291,539)	(2.27)	(27.66)	282,158	1,087	(31,233)	(550,430)	(3.42)	(41.80)	61,870	2,151	(61,213)	(886,643)	(6.82)	(83.19)	978,847	351	(7,760)	(139,774)	(1.13)	(13.73)	82,121	2,151	(61,213)	(886,643)	(6.82)	(83.19)	978,847			
Commercial and Industrial Electrification Programs Subtotal		Electrification	351	(7,760)	(139,774)	(1.13)	(13.73)	82,121	713	(20,094)	(291,539)	(2.27)	(27.66)	282,158	1,087	(31,233)	(550,430)	(3.42)	(41.80)	61,870	2,151	(61,213)	(886,643)	(6.82)	(83.19)	978,847	351	(7,760)	(139,774)	(1.13)	(13.73)	82,121	2,151	(61,213)	(886,643)	(6.82)	(83.19)	978,847			
Energy Efficiency and Conservation Subtotal			453,335	226,526	2,674,546	48.39	620.61	471,301	468,196	233,997	2,758,144	51.97	666.13	675,466	468,185	227,794	2,550,478	53.25	668.48	678,720	6,904	691,417	8,025,168	135.16	1,556.54	9,725,841	453,335	226,526	2,674,546	48.39	620.61	471,301	6,904	691,417	8,025,168	135.16	1,556.54	9,725,841			
Demand Response Programs																																									
Residential Demand Response Program		-	215	-	215	234.69	234.69	54	-	216	-	216																													

Table ES-1 Gross Maximum Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																			
Program Category (EE vs Electrification)	2024 Forecasted Metrics						2025 Forecasted Metrics						2026 Forecasted Metrics						
	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	
Energy Efficiency and Conservation Programs																			
Residential E&C Programs	EE	53,692	12,147	137,156	1.28	14.21	53,127	12,165	137,398	1.28	14.34	26,121	53,127	12,165	137,398	1.28	14.24	23,314	159,337
Energy Efficient Products	EE	49,888	9,098	118,971	0.78	11.30	49,933	9,116	119,213	0.78	11.32	20,936	49,933	9,116	119,213	0.78	11.32	19,443	140,753
Appliance Rebates	EE	3,194	3,049	18,185	0.50	2.92	3,194	3,049	18,185	0.50	2.92	4,185	3,194	3,049	18,185	0.50	2.92	3,871	9,583
Appliance Recycling	EE	43,368	27,892	495,913	5.21	53.86	43,736	27,914	496,185	5.21	53.88	63,301	44,048	27,114	495,913	5.21	53.86	63,301	131,169
Quick Home Energy Check-Up	EE	19,558	14,766	180,039	1.58	20.27	19,558	14,050	159,618	1.36	16.70	29,322	19,558	14,050	159,618	1.36	16.70	27,128	59,874
Home Performance	EE	4,000	7,075	154,625	2.15	47.28	4,050	7,337	160,910	2.23	49.09	22,172	4,100	7,599	165,910	2.31	50.90	21,406	12,150
HVAC Rebates	EE	4,627	2,370	26,181	1.27	13.19	4,628	2,335	30,516	1.30	13.37	4,422	5,190	2,594	30,946	1.31	13.40	4,769	14,745
School and Education	EE	14,800	2,871	43,067	0.21	3.12	14,800	2,871	43,067	0.21	3.12	7,383	14,800	2,871	43,067	0.21	3.12	6,792	44,400
Residential New Construction	EE	999	1,394	38,959	0.37	11.11	1,075	1,530	42,601	0.40	11.80	4,837	1,157	1,679	46,461	0.42	12.72	4,863	3,231
Efficiency for Affordable Housing	EE	70,240	15,053	168,565	2.94	31.21	140,480	30,107	337,131	5.88	62.41	64,057	140,480	30,107	337,131	5.88	62.41	59,440	351,200
Behavioral	EE	350,000	52,205	52,205	8.94	8.94	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,563	350,000
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Programs Subtotal	EE	517,795	107,881	802,798	16.74	149.33	588,416	125,651	965,605	22.68	180.25	199,323	588,812	127,847	977,314	22.19	182.92	188,276	994,936
Energy Efficient Products	Electrification	242	(305)	(4,969)	(0.03)	(0.47)	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.13)	(1.93)	13,926	1,691
Appliance Rebates (Electrification)	Electrification	242	(305)	(4,969)	(0.03)	(0.47)	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691
Residential Electrification Programs Subtotal	Electrification	242	(305)	(4,969)	(0.03)	(0.47)	543	(708)	(11,528)	(0.07)	(1.11)	5,920	906	(1,216)	(19,788)	(0.12)	(1.93)	13,926	1,691
Commercial and Industrial E&C Programs	EE	4,470	45,343	624,770	7.59	108.88	4,470	45,343	624,770	7.59	108.88	89,842	4,470	45,343	624,770	7.59	108.88	81,825	13,410
Small Business	EE	150	1,057	1,057	-	-	150	1,057	1,057	-	-	287	150	1,057	1,057	-	-	265	150
Commercial Customer Engagement Portal	EE	1,124	94,957	1,251,120	43.80	643.80	1,296	110,528	1,435,527	52.13	760.63	207,649	1,212	115,552	1,481,522	52.62	766.07	194,918	3,842
Efficient Business Solutions	EE	814	48,671	600,335	8.13	125.43	856	55,090	717,661	10.38	136.16	102,515	856	55,090	717,661	10.38	136.16	93,308	2,526
Prescriptive	EE	118	26,806	458,746	34.05	513.43	138	37,226	572,167	41.05	618.93	78,995	144	40,250	618,161	41.54	626.37	77,665	400
Custom	EE	18	2,052	16,492	0.29	2.29	20	2,352	18,818	0.33	2.61	3,384	20	2,352	18,818	0.33	2.61	3,106	58
Virtual Commissioning	EE	175	16,416	115,347	0.33	2.66	192	15,860	128,892	0.37	2.93	22,795	192	15,860	128,892	0.37	2.93	20,841	559
Retrocommissioning and Building Tune-Up	EE	4	21,144	528,600	2.50	62.57	4	21,144	528,600	2.50	62.57	(23,300)	4	21,144	528,600	2.50	62.57	(27,386)	12
Combined Heat and Power	EE	2,624	29,112	433,125	3.69	54.78	2,624	29,141	433,558	3.70	54.93	60,921	2,624	29,141	433,558	3.70	54.93	55,373	7,872
Commercial Midstream	EE	73	5,864	74,316	1.03	13.26	74	6,643	79,702	1.06	13.54	11,748	74	6,809	79,708	1.07	13.60	10,900	221
Energy Efficient Communities	EE	8,445	197,497	2,912,988	58.61	883.30	8,528	213,856	3,102,215	66.96	1,000.56	347,138	8,534	217,046	3,149,213	67.48	1,008.06	315,895	25,207
Commercial and Industrial E&C Programs Subtotal	EE	351	(9,786)	(139,774)	(1.13)	(13.73)	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	614,270	2,151
Commercial Building Electrification	Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	614,270	2,151
Commercial and Industrial Electrification Programs Subtotal	Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	614,270	2,151
Energy Efficiency and Conservation Subtotal	EE	526,743	295,287	3,671,044	76.19	1,018.43	598,205	318,555	3,764,754	86.72	1,152.04	834,637	599,340	312,444	3,651,208	86.13	1,147.24	1,132,366	1,023,960
Demand Response Programs																			
Residential Demand Response Program	-	215	215	234.69	234.69	54	-	216	234.94	234.94	52	-	-	216	234.94	234.94	47	-	647
Small Commercial Demand Response Program	-	6	6	14.54	14.54	5	-	6	14.54	14.54	4	-	-	6	14.54	14.54	4	-	18
Demand Response Programs Subtotal	-	221	221	249.23	249.23	59	-	222	249.48	249.48	56	-	-	222	235	249.48	249.48	51	-
Other Programs																			
Conservation Voltage Reduction	-	60,157	60,157	10.18	10.18	15,188	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,607	-
Dynamic Pricing	-	308	308	94.24	94.24	74	-	308	94.24	94.24	74	-	-	308	94.24	94.24	74	-	66
Transformers	-	728	728	0.17	0.17	184	-	819	819	0.19	0.19	196	-	819	819	0.19	0.19	177	-
Beneficial Electrification	Electrification	(7,251)	(112,525)	0.61	9.00	101,136	-	(22,330)	(349,268)	1.75	25.45	447,715	-	(37,997)	(696,378)	2.89	41.84	1,076,801	-
Other Programs Subtotal	-	53,842	(61,332)	195.29	113.99	116,968	-	46,532	(280,390)	107.65	131.34	464,191	-	30,872	(527,699)	168.79	147.53	1,091,651	-
EmPOWER Maryland Portfolio Total																			
All Program Total	EE	526,743	349,450	3,619,933	430.62	1,381.25	598,205	365,309	3,484,077	443.85	1,532.96	1,299,084	599,340	343,539	3,123,935	444.40	1,544.25	2,224,068	1,023,960
Total Plan EE and DR Only (Exclude Electrification)	EE	526,743	349,450	3,619,933	430.62	1,381.25	598,205	365,309	3,484,077	443.85	1,532.96	1,299,084	599,340	343,539	3,123,935	444.40	1,544.25	2,224,068	1,023,960
Program Investigation Development and Design (PIDD)																			
Energy Engineers	-	308	308	94.24	94.24	74	-	308	94.24	94.24	74	-	-	308	94.24	94.24	74	-	66
Summer Energy Challenge	-	728	728	0.17	0.17	184	-	819	819	0.19	0.19	196	-	819	819	0.19	0.19	177	-
Controlled Environment Agriculture	-	(7,251)	(112,525)	0.61	9.00	101,136	-	(22,330)	(349,268)	1.75	25.45	447,715	-	(37,997)	(696,378)	2.89	41.84	1,076,801	-
PIDD Unidentified	-	53,842	(61,332)	195.29	113.99	116,968	-	46,532	(280,390)	107.65	131.34	464,191	-	30,872	(527,699)	168.79	147.53	1,091,651	-
PIDD Programs Subtotal	-	60,157	60,157	10.18	10.18	15,188	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,607	-

Table ES-1 Net 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																									
Program Category (EE vs Electrification)	2024 Forecasted Metrics						2025 Forecasted Metrics						2026 Forecasted Metrics						2024-2026 Forecasted Metrics						
	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle CO2e (Short Tons)
Energy Efficiency and Conservation Programs																									
Residential EE&C Programs		46,490	4,489	51,790	0.48	5.54	10,069	46,599	4,741	54,473	0.49	5.66	9,911	46,599	4,741	54,473	0.49	5.66	9,196	146,468	13,961	160,735	1.48	16.86	29,176
Energy Efficient Products	EE	43,586	3,455	45,673	0.31	4.56	8,555	44,055	3,715	48,356	0.32	4.68	8,503	44,055	3,715	48,356	0.32	4.68	7,894	131,696	10,884	142,385	0.95	13.91	24,951
Appliance Recycling	EE	2,904	1,026	6,117	0.17	0.98	1,514	2,904	1,026	6,117	0.17	0.98	1,408	2,904	1,026	6,117	0.17	0.98	1,302	8,712	3,077	18,351	0.50	2.94	4,224
Home Retrofit	EE	18,504	27,493	272,353	3.40	56.72	49,748	18,504	27,493	272,353	3.34	56.04	42,067	18,504	27,493	272,353	3.16	53.37	35,711	112,415	52,233	766,675	9.90	166.12	127,029
Quick Home Energy Check-Up	EE	15,480	10,309	119,734	1.09	13.27	23,496	15,480	9,169	101,489	0.96	11.05	18,852	15,480	7,636	76,963	0.76	8.07	13,721	46,440	27,114	299,186	2.81	32.38	56,070
Home Performance	EE	3,150	4,742	103,643	1.62	35.63	15,356	3,200	4,950	108,131	1.69	37.08	14,961	3,250	4,995	109,110	1.70	37.37	14,075	9,600	14,687	320,884	5.00	110.08	44,392
HVAC Rebates	EE	3,792	973	11,785	0.53	5.47	4,037	4,013	1,002	12,016	0.54	5.55	1,879	4,170	1,019	12,134	0.55	5.57	2,050	11,975	2,993	35,936	1.62	16.59	7,965
School and Education	EE	14,800	2,479	37,190	0.16	2.36	6,658	14,800	2,479	37,190	0.16	2.36	6,376	14,800	2,479	37,190	0.16	2.36	5,866	44,400	7,438	111,569	0.47	7.07	10,098
Residential New Construction	EE	919	1,086	30,476	0.30	8.90	3,737	965	1,156	32,320	0.31	9.36	3,661	1,014	1,232	34,313	0.33	9.82	3,577	2,897	3,474	97,109	0.94	26.07	10,975
Efficiency for Affordable Housing	EE	11,614	2,656	28,671	0.53	5.50	5,895	24,862	7,124	76,288	1.49	15.36	14,748	24,862	7,124	76,288	1.49	15.36	13,700	61,338	16,904	181,248	3.51	36.22	34,341
Behavioral	EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,955	350,000	163,993	163,993	9.42	9.42	124,568
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Programs Subtotal	EE	446,245	78,931	435,494	13.64	85.60	111,447	460,279	85,627	476,912	15.05	95.83	112,392	460,834	86,007	457,263	14.89	93.62	102,747	667,058	255,565	1,369,660	25.22	256.69	326,585
Energy Efficient Products	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appliance Rebates (Subtotal)	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Electrification Programs Subtotal	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial and Industrial EE&C Programs		2,792	25,493	349,840	4.25	60.87	54,766	2,792	25,493	349,840	4.25	60.87	50,360	2,792	25,493	349,840	4.25	60.87	45,868	8,376	76,478	1,049,521	12.74	182.61	150,993
Small Business	EE	150	1,057	1,057	-	-	299	150	1,057	1,057	-	-	287	150	1,057	1,057	-	-	265	150	3,171	3,172	-	-	851
Efficient Business Solutions	EE	921	50,716	667,169	15.35	224.90	168,717	1,025	60,815	893,491	17.67	258.08	116,569	1,032	62,137	822,789	19.29	282.18	106,852	2,979	173,669	2,293,416	82.31	765.16	330,839
Prescriptive	EE	691	27,627	389,326	5.03	71.87	60,190	762	32,065	446,294	5.86	82.54	63,465	763	32,309	449,134	5.91	83.20	58,094	2,216	92,000	1,284,744	16.81	237.61	181,765
Custom	EE	82	12,451	192,736	9.89	149.64	28,921	101	17,154	264,437	11.35	171.81	36,439	107	18,232	280,654	12.91	195.25	35,219	290	47,836	738,027	34.14	516.69	100,579
Virtual Commissioning	EE	13	1,565	12,517	0.22	1.74	2,442	14	1,713	13,701	0.24	1.90	2,457	14	1,713	13,701	0.24	1.90	2,251	42	4,991	39,920	0.70	5.55	7,150
Retrocommissioning and Building Tune-Up	EE	135	9,074	72,969	0.21	1.66	14,164	148	9,894	79,069	0.23	1.83	14,190	148	9,894	79,069	0.23	1.83	12,388	431	28,841	230,727	0.66	5.31	41,331
Combined Heat and Power	EE	4	21,144	528,600	2.50	62.57	(18,956)	4	21,144	528,600	2.50	62.57	(23,309)	4	21,144	528,600	2.50	62.57	(27,368)	12	63,432	1,585,800	7.50	187.72	(69,651)
Commercial Midstream	EE	2,623	23,273	346,248	2.95	43.73	52,971	2,624	23,302	346,689	2.96	43.89	48,714	2,624	23,302	346,689	2.96	43.89	44,278	7,871	69,878	1,039,625	8.87	131.51	145,964
Energy Efficient Communities	EE	55	3,171	42,582	0.55	7.42	6,647	55	3,589	45,083	0.55	7.56	6,557	55	3,631	45,768	0.56	7.69	6,092	166	10,390	133,423	1.66	22.66	19,295
Commercial and Industrial EE&C Programs Subtotal	EE	6,545	124,853	1,935,496	25.80	399.50	201,444	6,650	135,400	2,074,760	27.94	432.97	199,169	6,658	136,764	2,094,703	29.56	457.18	177,639	19,554	397,017	6,104,959	83.69	1,289.66	579,252
Commercial Building Electrification	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial and Industrial Electrification Programs Subtotal	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy Efficiency and Conservation Programs Subtotal		452,790	203,783	2,370,990	39.24	485.10	312,890	466,930	221,026	2,551,673	42.99	528.80	311,561	467,192	222,772	2,551,956	44.45	550.89	280,316	686,612	647,581	7,474,619	108.31	1,546.34	904,837
Demand Response Programs																									
Residential Demand Response Program	-	215	215	234.69	234.69	54	-	216	216	234.94	234.94	52	-	216	216	234.94	234.94	47	-	647	647	234.94	234.94	153	
Small Commercial Demand Response Program	-	6	6	14.54	14.54	5	-	6	6	14.54	14.54	4	-	6	6	14.54	14.54	4	-	18	31	14.54	14.54	13	
Demand Response Programs Subtotal	-	221	221	249.23	249.23	59	-	222	222	249.48	249.48	56	-	222	222	249.48	249.48	51	-	665	679	249.48	249.48	166	
Other Programs																									
Conservation Voltage Reduction	-	60,157	60,157	10.18	10.18	15,188	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,607	-	195,843	195,843	11.47	11.47	46,001	
Dynamic Pricing	-	308	308	94.24	94.24	76	-	308	308	94.24	94.24	74	-	308	308	94.24	94.24	66	-	924	923	94.24	94.24	216	
Transformers	-	728	21,840	0.17	5.10	184	-	819	24,570	0.19	5.70	196	-	819	24,570	0.19	5.70	177	-	2,366	70,980	0.55	16.50	557	
Beneficial Electrification	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Programs Subtotal	-	61,193	82,305	104.59	109.52	15,455	-	68,870	92,621	105.90	111.41	16,476	-	68,870	92,621	105.90	111.41	14,850	-	198,933	267,546	106.26	122.21	46,776	
EmPOWER Maryland Portfolio Total																									
All Program Total		452,790	268,197	2,453,616	393.06	843.85	328,399	466,930	290,118	2,644,516	398.37	889.68	328,093	467,192	291,864	2,644,612	399.83	911.69	295,287	686,612	647,179	7,742,843	464.05	1,818.03	951,778
Total Plan EE and DR Only (Exclude Electrification)		452,790	268,197	2,453,616	393	844	328,399	466,930	290,118	2,644,516	398	890	328,093	467,192	291,864	2,644,612	400	912	295,287	686,612	647,179	7,742,843	464	1,818	951,778
Program Investigation Development and Design (PIDD)																									
Energy Engineers																									
Summer Energy Challenge																									
Controlled Environment Agriculture																									
PIDD Unidentified																									
PIDD Programs Subtotal																									

Table ES-1 Net Middle Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																			
Program Category (EE vs Electrification)	2024 Forecasted Metrics						2025 Forecasted Metrics						2026 Forecasted Metrics						
	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	
Energy Efficiency and Conservation Programs																			
Residential E&C Programs																			
Energy Efficient Products	EE	46,490	4,480	51,790	0.48	5.54	10,069	46,959	4,741	54,473	0.49	5.66	9,191	46,959	4,741	54,473	0.49	5.66	9,196
Appliance Rebates	EE	43,586	3,455	45,673	0.31	4.56	8,555	44,055	3,715	48,356	0.32	4.68	8,503	44,055	3,715	48,356	0.32	4.68	7,894
Appliance Recycling	EE	2,904	1,026	5,117	0.17	0.98	1,514	2,904	1,026	5,117	0.17	0.98	1,302	2,904	1,026	5,117	0.17	0.98	1,351
Home Retrofit	EE	37,222	18,504	272,353	3.40	56.72	49,748	37,493	17,600	226,825	3.34	56.84	42,067	37,700	16,129	236,397	3.16	53.37	127,825
Quick Home Energy Check-Up	EE	15,480	10,309	119,734	1.09	13.27	23,496	15,480	9,169	101,489	0.96	11.05	18,852	15,480	7,636	76,963	0.76	8.07	13,721
Home Performance	EE	3,150	4,742	103,643	1.62	35.63	15,356	3,200	5,050	108,131	1.69	37.08	14,961	3,250	4,995	109,110	1.70	37.37	14,075
HVAC Rebates	EE	3,792	973	11,785	0.53	5.47	4,037	4,013	1,002	12,016	0.54	5.55	1,879	4,170	1,019	12,134	0.55	5.57	2,050
School and Education	EE	14,800	2,479	37,190	0.16	2.36	6,858	14,800	2,479	37,190	0.16	2.36	6,376	14,800	2,479	37,190	0.16	2.36	5,865
Residential New Construction	EE	919	1,066	30,476	0.30	5.90	3,737	919	1,066	30,476	0.30	5.90	3,661	919	1,066	30,476	0.30	5.90	3,574
Efficiency for Affordable Housing	EE	11,614	2,656	28,671	0.53	5.50	5,895	24,862	7,124	76,288	1.49	15.36	14,746	24,862	7,124	76,288	1.49	15.36	13,048
Behavioral	EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	42,568
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Programs Subtotal	EE	446,245	78,931	435,484	13.64	65.60	111,447	460,279	85,627	476,912	15.05	95.83	112,392	460,534	86,007	457,253	14.89	93.62	107,567
Energy Efficient Products	Electrification	242	(305)	(4,969)	(0.03)	(6.47)	1,514	543	(708)	(11,529)	(6.87)	(11.1)	5,920	906	(1,216)	(19,788)	(6.12)	(13.93)	13,626
Appliance Rebates (Electrification)	Electrification	242	(305)	(4,969)	(0.03)	(0.47)	1,514	543	(708)	(11,529)	(6.07)	(11.1)	5,920	906	(1,216)	(19,788)	(0.12)	(13.93)	13,626
Residential Electrification Programs Subtotal	Electrification	242	(305)	(4,969)	(0)	(0)	1,514	543	(708)	(11,529)	(6)	(1)	5,920	906	(1,216)	(19,788)	(0)	(2)	21,380
Commercial and Industrial E&C Programs																			
Small Business	EE	2,792	25,493	349,840	4.25	60.87	54,766	2,792	25,493	349,840	4.25	60.87	50,360	2,792	25,493	349,840	4.25	60.87	45,965
Commercial Customer Engagement Portal	EE	150	1,057	1,057	-	-	299	150	1,057	1,057	-	-	287	150	1,057	1,057	-	-	285
Efficient Business Solutions	EE	921	59,716	687,169	15.35	224.90	195,717	1,025	60,815	693,491	17.87	258.08	116,560	1,032	62,137	622,759	19.29	262.18	108,552
Prescriptive	EE	691	27,627	389,326	5.03	71.87	60,190	762	32,065	446,284	5.86	82.54	63,465	763	32,309	449,134	5.91	83.20	58,064
Custom	EE	82	12,451	192,736	9.89	149.64	28,921	101	17,154	264,437	11.35	171.81	36,439	107	18,232	280,854	12.91	195.25	47,836
Virtual Commissioning	EE	13	1,565	12,517	0.22	1.74	2,442	14	1,713	13,701	0.24	1.90	2,457	14	1,713	13,701	0.24	1.90	2,525
Retrocommissioning and Building Tune-Up	EE	135	9,074	72,589	0.21	1.66	14,164	148	9,884	79,069	0.23	1.83	14,160	148	9,884	79,069	0.23	1.83	12,988
Combined Heat and Power	EE	4	21,144	528,600	2.50	62.57	(18,956)	4	21,144	528,600	2.50	62.57	(23,309)	4	21,144	528,600	2.50	62.57	(23,309)
Commercial Midstream	EE	2,623	23,273	346,248	2.95	43.73	52,971	2,624	23,302	346,689	2.96	43.89	48,714	2,624	23,302	346,689	2.96	43.89	44,276
Energy Efficient Communities	EE	55	3,171	42,582	0.55	7.42	6,647	55	3,589	45,083	0.55	7.56	6,527	55	3,531	45,728	0.56	7.68	6,002
Commercial and Industrial E&C Programs Subtotal	EE	6,645	124,853	1,935,496	25.40	399.50	291,444	6,650	125,400	2,074,760	27.94	432.97	159,169	6,658	126,764	2,094,703	29.56	457.18	177,638
Commercial Building Electrification	Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	81,270
Commercial and Industrial Electrification Programs Subtotal	Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	81,270
Energy Efficiency and Conservation Subtotal		453,383	193,692	2,226,247	39.68	470.90	396,525	468,188	200,124	2,248,606	40.65	600.02	699,937	469,181	195,323	2,076,637	40.91	607.07	900,882
Demand Response Programs																			
Residential Demand Response Program		-	215	215	234.69	234.69	54	-	216	216	234.94	234.94	52	-	216	216	234.94	234.94	47
Small Commercial Demand Response Program		-	6	6	14.54	14.54	5	-	6	6	14.54	14.54	4	-	6	6	14.54	14.54	13
Demand Response Programs Subtotal		-	221	221	249.23	249.23	59	-	222	222	249.48	249.48	56	-	222	222	249.48	249.48	60
Other Programs																			
Conservation Voltage Reduction		-	60,157	60,157	10.18	10.18	15,168	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,607
Dynamic Pricing		-	308	308	94.24	94.24	78	-	308	308	94.24	94.24	74	-	308	308	94.24	94.24	66
Transformers		-	728	728	0.17	0.17	184	-	819	819	0.19	0.19	196	-	819	819	0.19	0.19	177
Beneficial Electrification	Electrification	1,633	(7,251)	(112,525)	(0.61)	(9.00)	101,136	5,351	(22,338)	(349,268)	(1.75)	(25.45)	447,715	9,335	(37,997)	(596,378)	(2.89)	(41.84)	1,076,801
Other Programs Subtotal		1,633	53,942	(91,325)	(0.60)	(11.59)	116,585	5,351	(46,832)	(349,269)	(1.67)	(15.34)	464,181	9,335	(30,873)	(627,606)	(0.68)	(14.73)	1,091,651
EmPOWER Maryland Portfolio Total																			
All Program Total		455,016	247,855	2,175,138	392.51	613.72	473,537	456,870	246,871	1,968,430	397.78	689.84	1,064,164	478,526	221,418	1,548,363	399.18	904.09	2,090,284
Total Plan EE and DR Only (Exclude Electrification)		452,790	285,197	2,432,404	393	639	328,399	456,330	290,118	2,620,764	395	884	328,093	467,192	291,884	2,621,060	400	908	2,095,279
Program Investigation Development and Design (PIDD)																			
Energy Engineers																			
Summer Energy Challenge																			
Controlled Environment Agriculture																			
PIDD Undertaken																			
PIDD Programs Subtotal																			

Table ES-1 Net Maximum Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																									
Program Category (EE vs Electrification)	2024 Forecasted Metrics						2025 Forecasted Metrics						2026 Forecasted Metrics						2024-2026 Forecasted Metrics						
	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	Total Participants	Total Annualized Energy Savings (MWh)	Lifecycle Energy Savings (MWh)	Coincident Peak Demand Reduction (MW)	Lifecycle Demand Savings (MW)	Lifecycle CO2e (Short Tons)	
Energy Efficiency and Conservation Programs																									
Residential E&C Programs																									
Energy Efficient Products	EE	53,082	5,404	62,645	0.55	6.39	12,198	53,127	5,413	62,789	0.55	6.40	11,388	53,127	5,413	62,789	0.55	6.40	10,570	159,337	16,229	189,162	1.65	19.19	34,155
Appliance Rebates	EE	49,888	4,276	55,916	0.37	5.31	10,530	49,933	4,285	56,030	0.37	5.32	9,840	49,933	4,285	56,030	0.37	5.32	9,138	149,753	12,845	167,976	1.10	15.95	29,508
Appliance Recycling	EE	3,194	1,128	6,729	0.19	1.08	1,666	3,194	1,128	6,729	0.19	1.08	1,548	3,194	1,128	6,729	0.19	1.08	1,432	9,583	3,384	20,198	0.56	3.24	4,647
Home Retrofit	EE	43,385	22,486	340,315	4.06	68.02	61,394	43,736	22,170	329,308	3.96	66.69	53,058	44,045	22,428	334,445	4.04	68.29	50,187	131,169	67,055	1,004,067	12.07	203.00	164,639
Quick Home Energy Check-Up	EE	19,558	12,403	151,233	1.33	17.03	29,156	19,558	11,802	134,080	1.14	14.03	24,630	19,558	11,802	134,080	1.14	14.03	22,623	59,874	36,057	419,392	3.61	45.08	76,574
Home Performance	EE	4,000	6,155	134,524	1.87	41.13	19,931	4,050	6,383	139,433	1.94	42.71	19,291	4,100	6,611	144,342	2.01	44.29	18,623	12,150	19,150	418,299	5.82	128.13	57,845
HVAC Rebates	EE	4,627	1,256	14,936	0.67	6.99	5,002	4,928	1,344	16,174	0.69	7.08	2,344	5,190	1,375	16,402	0.69	7.10	2,528	14,745	3,974	47,511	2.06	21.18	9,873
School and Educator	EE	14,800	2,641	39,622	0.19	2.87	7,306	14,800	2,641	39,622	0.19	2.87	6,792	14,800	2,641	39,622	0.19	2.87	6,249	44,400	7,824	118,865	0.58	8.62	20,347
Residential New Construction	EE	999	1,213	33,894	0.32	6.67	4,166	1,075	1,331	37,063	0.35	10.36	4,208	1,157	1,461	40,421	0.37	11.07	4,231	3,231	4,005	111,378	1.04	31.09	12,605
Efficiency for Affordable Housing	EE	70,240	15,053	168,565	2.94	31.21	34,294	140,480	30,107	337,131	5.88	62.41	64,057	140,480	30,107	337,131	5.88	62.41	59,420	351,200	75,267	842,826	14.70	156.03	157,791
Behavioral	EE	350,000	52,205	52,205	8.94	8.94	41,998	350,000	55,006	55,006	9.42	9.42	42,007	350,000	56,782	56,782	9.42	9.42	40,953	350,000	163,993	163,993	9.42	9.42	124,568
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Residential Programs Subtotal	EE	517,768	96,331	657,624	16.82	124.22	154,048	588,812	116,192	831,537	20.26	157.89	164,991	588,812	116,192	831,537	20.26	157.89	164,991	994,936	326,850	2,310,427	38.88	418.73	493,757
Energy Efficient Products	Electrification	242	(355)	(4,969)	(6.93)	(6.47)	1,514	543	(708)	(11,528)	(6.87)	(1.11)	5,920	906	(1,216)	(19,788)	(6.12)	(1.93)	13,928	1,691	(2,229)	(36,285)	(6.22)	(3.52)	21,360
Appliance Rebates (Electrification)	Electrification	242	(355)	(4,969)	(6.93)	(6.47)	1,514	543	(708)	(11,528)	(6.87)	(1.11)	5,920	906	(1,216)	(19,788)	(6.12)	(1.93)	13,928	1,691	(2,229)	(36,285)	(6.22)	(3.52)	21,360
Residential Electrification Programs Subtotal	Electrification	242	(355)	(4,969)	(6.93)	(6.47)	1,514	543	(708)	(11,528)	(6.87)	(1.11)	5,920	906	(1,216)	(19,788)	(6.12)	(1.93)	13,928	1,691	(2,229)	(36,285)	(6.22)	(3.52)	21,360
Commercial and Industrial E&C Programs																									
Small Business	EE	4,470	40,809	562,293	6.83	98.00	87,938	4,470	40,809	562,293	6.83	98.00	80,858	4,470	40,809	562,293	6.83	98.00	73,643	13,410	122,426	1,686,880	20.49	293.99	242,438
Commercial Customer Engagement Portal	EE	150	1,057	1,057	-	-	289	150	1,057	1,057	-	-	287	150	1,057	1,057	-	-	285	150	3,171	3,172	-	-	851
Efficient Business Solutions	EE	1,124	74,455	966,442	29.02	422.88	182,389	1,296	86,013	1,096,434	34.39	496.17	159,428	1,212	87,828	1,124,031	34.69	500.63	148,695	3,942	248,296	3,186,907	98.10	1,419.87	469,489
Prescriptive	EE	914	42,830	591,271	8.03	110.38	89,469	856	48,479	631,542	9.13	119.82	90,213	856	48,479	631,542	9.13	119.82	82,109	2,528	139,789	1,844,354	26.30	350.02	261,791
Custom	EE	118	17,884	275,248	20.43	308.06	41,437	138	22,336	343,300	24.83	371.36	47,397	144	24,150	370,897	24.92	375.82	46,599	400	64,369	989,444	69.98	1,055.24	135,433
Virtual Commissioning	EE	18	2,062	16,492	0.29	2.29	3,222	20	2,352	18,818	0.33	2.61	3,384	20	2,352	18,818	0.33	2.61	3,106	58	6,768	54,129	0.95	7.52	9,712
Retrocommissioning and Building Tune-Up	EE	175	11,679	93,431	0.27	2.15	18,231	192	12,847	102,774	0.30	2.37	18,432	192	12,847	102,774	0.30	2.37	16,881	559	37,372	298,980	0.87	6.89	53,543
Combined Heat and Power	EE	4	21,144	528,600	2.50	62.57	(18,956)	4	21,144	528,600	2.50	62.57	(23,309)	4	21,144	528,600	2.50	62.57	(27,386)	12	63,432	1,585,800	7.50	187.72	(89,651)
Commercial Midstream	EE	2,624	23,290	346,500	2.95	43.82	53,010	2,624	23,313	346,846	2.96	43.94	48,737	2,624	23,313	346,846	2.96	43.94	44,298	7,872	69,915	1,040,193	8.87	131.70	146,045
Energy Efficient Communities	EE	73	5,178	65,398	0.91	11.67	10,465	74	5,605	69,258	0.93	11.92	10,338	74	5,922	70,141	0.94	11.97	9,395	221	17,016	204,797	2.78	35.56	30,395
Commercial and Industrial E&C Programs Subtotal	EE	8,445	168,932	2,479,290	42.21	638.94	285,114	8,528	178,182	2,604,489	47.62	712.59	276,337	8,534	180,142	2,632,969	47.92	717.11	249,107	25,207	534,556	7,707,748	137.75	2,068.64	819,585
Commercial Building Electrification	Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.80)	614,270	2,151	(81,213)	(886,843)	(6.82)	(83.19)	978,847
Commercial and Industrial Electrification Programs Subtotal	Electrification	351	(9,786)	(139,774)	(1.13)	(13.73)	82,121	713	(20,194)	(291,539)	(2.27)	(27.66)	282,456	1,087	(31,233)	(455,530)	(3.42)	(41.86)	614,270	2,151	(81,213)	(886,843)	(6.82)	(83.19)	978,847
Energy Efficiency and Conservation Subtotal		826,743	252,172	2,983,172	67.87	748.96	522,787	898,203	271,307	3,122,688	63.44	839.10	739,431	899,348	263,885	2,989,187	64.64	830.96	1,042,235	1,023,986	787,363	9,095,647	169.59	2,400.67	2,304,623
Demand Response Programs																									
Residential Demand Response Program		-	215	215	234.69	234.69	54	-	216	216	234.94	234.94	52	-	216	216	234.94	234.94	47	-	647	647	234.94	234.94	153
Small Commercial Demand Response Program		-	6	6	14.54	14.54	5	-	6	6	14.54	14.54	4	-	6	6	14.54	14.54	4	-	18	31	14.54	14.54	13
Demand Response Programs Subtotal		-	221	221	249.23	249.23	59	-	222	222	249.48	249.48	56	-	222	222	249.48	249.48	51	-	665	678	249.48	249.48	166
Other Programs																									
Conservation Voltage Reduction		-	60,157	60,157	10.18	10.18	15,188	-	67,743	67,743	11.47	11.47	16,206	-	67,743	67,743	11.47	11.47	14,607	-	195,643	195,643	11.47	11.47	46,001
Dynamic Pricing		-	308	308	94.24	94.24	78	-	308	308	94.24	94.24	74	-	308	308	94.24	94.24	66	-	924	923	94.24	94.24	218
Transformers		-	728	728	0.17	0.17	184	-	819	819	0.19	0.19	196	-	819	819	0.19	0.19	177	-	2,366	2,365	0.55	0.54	557
Beneficial Electrification	Electrification	-	(7,251)	(112,525)	(0.61)	(9.00)	101,136	-	(22,338)	(349,268)	(1.75)	(25.45)	447,715	-	(37,997)	(596,378)	(2.89)	(41.64)	1,078,801	-	(87,586)	(1,058,171)	(5.25)	(76.08)	1,825,652
Other Programs Subtotal		-	83,943	(51,333)	(95.20)	(13.99)	116,586	-	46,532	(88,399)	(97.65)	(131.34)	464,191	-	30,873	(627,699)	(108.79)	(447.83)	1,691,651	-	(31,347)	(659,240)	(131.61)	(182.32)	1,673,423
EmPOWER Maryland Portfolio Total																									
All Program Total		826,743	386,335	2,932,061	412.39	1,111.78	639,442	898,846	318,061	2,942,511	422.57	1,219.92	1,203,676	899,348	294,968	2,461,913	422.91	1,227.87	2,133,997	1,623,986	919,375	8,236,485	638.59	2,832.47	3,977,117
Total Plan EE and DR Only (Exclude Electrification)		926,158	323,877	3,189,328	412.89	1,116.98	454,671	996,546	361,301	3,494,548	423.16	1,223.25	497,587	997,347	368,428	3,533,610	423.96	1,230.07	439,000	1,829,143	1,050,403	10,217,789	832.37	2,843.19	1,281,288
Program Investigation Design and Design (PIDD)																									
Energy Engineers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Summer Energy Challenge		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Controlled Environment Airgrid		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIDD Unidentified		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIDD Programs Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table ES-2 Net 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																				
Program Category (EE vs Electrification)	2024 Forecasted Metrics					2025 Forecasted Metrics					2026 Forecasted Metrics					2024-2026 Forecasted Metrics				
	Annual Energy Savings (MWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)
Energy Efficiency and Conservation Programs																				
Residential EE&C Programs																				
Energy Efficient Products	EE	10,122	1.11	-	71,500	22,238	10,676	1.13	-	82,500	21,896	10,676	1.13	-	20,314	31,474	3.37	-	154,000	64,508
Appliance Rebates	EE	7,350	0.69	-	71,500	18,202	7,904	0.68	-	82,500	18,091	7,904	0.68	-	18,795	23,158	2.02	-	154,000	53,088
Appliance Recycling	EE	2,772	0.45	-	-	4,093	2,772	0.45	-	-	3,805	2,772	0.45	-	-	3,515	8,316	1.35	-	-
Home Rebate	EE	22,254	4.33	-	182,278	60,684	21,190	4.27	-	185,591	59,114	19,448	4.06	-	187,211	42,795	62,893	12.66	-	555,680
Quick Home Energy Check-Up	EE	12,273	1.30	-	31,020	27,973	10,915	1.14	-	31,020	22,443	9,990	0.91	-	31,020	16,335	32,278	3.35	-	83,080
Home Performance	EE	5,451	1.86	-	96,512	17,651	5,690	1.94	-	98,670	17,196	5,741	1.95	-	99,190	16,178	16,882	5.75	-	294,372
HVAC Rebates	EE	1,835	1.00	-	13,750	7,617	1,890	1.02	-	14,905	3,545	1,923	1.03	-	16,005	3,867	5,648	3.05	-	44,660
School and Education	EE	2,695	0.17	-	40,996	7,454	2,695	0.17	-	40,996	6,930	2,695	0.17	-	40,996	6,375	8,085	0.51	-	122,988
Residential New Construction	EE	1,248	0.34	-	5,225	4,258	1,329	0.36	-	5,335	4,208	1,418	0.38	-	5,390	4,112	3,993	1.08	-	15,950
Efficiency for Affordable Housing	EE	2,658	0.53	-	385	5,895	7,124	1.49	-	1,155	14,746	7,124	1.49	-	1,155	13,700	16,804	3.51	-	2,695
Behavioral	EE	52,205	8.94	-	-	41,998	55,006	9.42	-	-	42,007	56,762	9.42	-	-	40,563	163,993	9.42	-	-
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Programs Subtotal	EE	88,485	15.26	-	259,388	135,177	95,325	16.67	-	274,581	132,971	95,447	16.48	-	193,756	121,444	279,287	30.64	-	727,725
Energy Efficient Products	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Appliance Rebates (Electrification)	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electrification Programs Subtotal	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial and Industrial EE&C Programs																				
Small Business	EE	28,325	4.72	-	440	60,851	28,325	4.72	-	440	55,955	28,325	4.72	-	440	50,964	84,975	14.16	-	1,320
Commercial Customer Engagement Portal	EE	1,057	-	-	-	298	1,057	-	-	-	287	1,057	-	-	-	265	3,171	-	-	85
Efficient Business Solutions	EE	64,912	22.68	-	138,528	78,942	26.09	-	-	152,836	81,916	28.75	-	-	143,000	224,870	77.82	-	-	432,356
Prescriptive	EE	31,394	5.72	-	68,358	36,437	6.66	-	-	67,731	36,715	6.72	-	-	66,016	104,546	19.10	-	-	206,556
Custom	EE	20,751	16.48	-	48,202	28,590	18.51	-	-	60,731	30,386	21.51	-	-	58,695	79,727	56.90	-	-	167,632
Virtual Commissioning	EE	1,565	0.22	-	2,442	1,713	0.24	-	-	2,467	1,713	0.24	-	-	2,255	4,591	0.70	-	-	7,152
Retrocommissioning and Building Tune-Up	EE	11,202	0.26	-	17,488	12,202	0.28	-	-	17,506	12,202	0.28	-	-	16,034	35,806	0.82	-	-	51,028
Combined Heat and Power	EE	21,144	2.50	-	(447,771)	(18,956)	21,144	2.50	-	(447,771)	(23,309)	21,144	2.50	-	(447,771)	(27,386)	63,432	7.50	-	(1,343,313)
Commercial Midstream	EE	29,091	3.69	-	66,214	29,128	3.70	-	-	60,893	29,128	3.70	-	-	55,348	87,347	11.09	-	-	182,458
Energy Efficient Communities	EE	3,603	0.62	-	7,553	4,078	0.63	-	-	7,451	4,128	0.64	-	-	6,888	11,807	1.89	-	-	21,893
Commercial and Industrial EE&C Programs Subtotal	EE	148,132	34.21	-	(447,331)	252,488	162,674	37.64	-	(447,331)	254,113	164,796	40.31	-	(447,331)	229,085	476,602	112.16	-	(1,341,993)
Commercial Building Electrification	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial and Industrial Electrification Programs Subtotal	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Energy Efficiency and Conservation Subtotal		236,617	49.46	-	(187,943)	387,665	257,999	54.31	-	(172,750)	387,084	260,243	56.79	-	(253,676)	350,824	754,889	142.20	-	(614,268)
Demand Response Programs																				
Residential Demand Response Program		215	234.69	-	54	216	234.94	-	55	216	234.94	-	51	647	234.94	-	647	234.94	-	153
Small Commercial Demand Response Program	EE	6	14.54	-	6	6	14.54	-	6	6	14.54	-	18	18	14.54	-	18	14.54	-	18
Demand Response Programs Subtotal	EE	221	249.23	-	60	222	249.48	-	61	222	249.48	-	69	665	249.48	-	665	249.48	-	168
Other Programs																				
Conservation Voltage Reduction		60,157	10.18	-	15,183	67,743	11.47	-	16,205	67,743	11.47	-	14,501	195,643	11.47	-	-	-	-	46,001
Dynamic Pricing		308	94.24	-	78	308	94.24	-	74	308	94.24	-	66	924	94.24	-	-	-	-	216
Transformers		728	0.17	-	184	819	0.19	-	198	819	0.19	-	177	2,366	0.55	-	-	-	-	557
Beneficial Electrification	Electrification	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Programs Subtotal		61,193	104.59	-	15,435	68,870	105.90	-	16,476	68,870	105.90	-	14,855	198,933	106.26	-	-	-	-	46,776
EmPOWER Maryland Portfolio Total																				
All Program Total		298,831	403.28	-	(187,943)	403,175	327,091	409.69	-	(172,750)	403,616	329,335	412.17	-	(253,676)	365,426	954,457	497.94	-	(614,268)
Total Plan EE and DR Only (Exclude Electrification)		298,831	403.28	-	(187,943)	403,175	327,091	409.69	-	(172,750)	403,616	329,335	412.17	-	(253,676)	365,426	954,457	497.94	-	(614,268)
Program Investigation Development and Design (PIDO)																				
Energy Engineers																				
Summer Energy Challenge																				
Controlled Environment Agriculture																				
PIDO Unidentified																				
PIDO Programs Subtotal																				

Table ES-2 Net Middle Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																					
	Program Category (EE vs Electrification)	2024 Forecasted Metrics					2025 Forecasted Metrics					2026 Forecasted Metrics									
		Annual Energy Savings (MMWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MMWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MMWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)					
Energy Efficiency and Conservation Programs																					
Residential EE&C Programs																					
Energy Efficient Products	EE	10,122	1.11	-	71,600	22,236	10,676	1.13	-	82,600	21,896	10,676	1.13	-	-	29,314	31,474	3.37	-	154,000	64,508
Appliance Rebates	EE	7,350	0.66	-	71,500	18,202	7,904	0.68	-	82,500	18,091	7,904	0.68	-	-	16,795	23,158	2.02	-	154,000	53,086
Appliance Recycling	EE	2,772	0.45	-	-	4,093	2,772	0.45	-	-	3,802	2,772	0.45	-	-	3,515	8,316	1.35	-	-	11,417
Home Retrofit	EE	22,254	4.33	-	182,278	66,694	21,190	4.27	-	185,891	59,114	19,448	4.06	-	187,211	42,758	62,993	12.66	-	555,680	153,568
Quick Home Energy Check-Up	EE	12,273	1.30	-	31,020	27,972	10,915	1.14	-	31,020	22,442	9,090	0.91	-	31,020	16,333	32,278	3.35	-	93,060	66,751
Home Performance	EE	5,451	1.86	-	96,512	17,851	5,690	1.94	-	98,670	17,196	5,741	1.95	-	99,190	16,178	16,882	5.75	-	294,372	51,028
HVAC Rebates	EE	1,835	1.00	-	13,750	7,817	1,890	1.02	-	14,805	3,545	1,923	1.03	-	16,005	3,861	5,948	3.05	-	44,660	15,025
School and Education	EE	2,695	0.17	-	40,996	7,454	2,695	0.17	-	40,996	6,930	2,695	0.17	-	40,996	6,375	8,085	0.51	-	122,988	20,759
Residential New Construction	EE	1,248	0.34	-	5,225	4,295	1,329	0.36	-	5,335	4,208	1,418	0.38	-	5,390	4,112	3,993	1.08	-	15,950	12,619
Efficiency for Affordable Housing	EE	2,656	0.53	-	385	5,895	7,124	1.49	-	1,155	14,746	7,124	1.49	-	1,155	13,700	16,904	3.51	-	2,695	34,344
Behaviors	EE	52,205	8.94	-	-	41,998	55,006	9.42	-	-	42,007	56,762	9.42	-	-	40,563	163,993	9.42	-	-	124,568
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Programs Subtotal	EE	88,488	15.25	-	289,388	135,177	95,325	16.67	-	274,561	132,971	95,447	16.48	-	193,756	121,444	278,257	30.94	-	727,725	389,592
Energy Efficient Products	Electrification	(395)	(0.03)	-	-	1,514	(708)	(0.07)	-	-	5,920	(1,216)	(0.12)	-	-	13,928	(2,229)	(0.22)	-	117,077	21,360
Appliance Rebates (Electrification)	Electrification	(305)	(0.03)	-	16,681	1,514	(708)	(0.07)	-	37,547	5,920	(1,216)	(0.12)	-	62,849	13,928	(2,229)	(0.22)	-	117,077	21,360
Residential Electrification Programs Subtotal	Electrification	(395)	(0.03)	-	-	1,514	(708)	(0.07)	-	-	5,920	(1,216)	(0.12)	-	-	13,928	(2,229)	(0.22)	-	117,077	21,360
Commercial and Industrial EE&C Programs																					
Small Business	EE	28,325	4.72	-	440	60,851	28,325	4.72	-	440	55,955	28,325	4.72	-	440	50,964	84,975	14.16	-	1,320	167,771
Commercial Customer Engagement Portal	EE	1,057	-	-	-	299	1,057	-	-	-	281	1,057	-	-	-	265	3,171	-	-	-	851
Efficient Business Solutions	EE	64,912	22.68	-	-	136,938	79,942	26.69	-	-	152,836	81,016	28.75	-	-	143,090	224,870	77.52	-	171	433,366
Prescriptive	EE	31,394	5.72	-	68,398	36,437	6.66	-	-	72,142	36,715	6.72	-	-	66,016	104,546	19.10	-	-	206,556	
Custom	EE	20,751	16.48	-	-	48,202	28,590	18.91	-	-	60,731	30,386	21.51	-	-	58,699	79,727	56.90	-	-	167,633
Virtual Commissioning	EE	1,585	0.22	-	49	2,442	1,713	0.24	-	61	2,457	1,713	0.24	-	61	2,251	4,991	0.70	-	171	7,152
Retrocommissioning and Building Tune-Up	EE	11,202	0.26	-	-	17,486	12,202	0.28	-	-	17,506	12,202	0.28	-	-	16,034	35,606	0.82	-	-	51,024
Combined Heat and Power	EE	21,144	2.50	-	(447,771)	(18,556)	21,144	2.50	-	(447,771)	(20,309)	21,144	2.50	-	(447,771)	(27,386)	63,432	7.50	-	(1,343,313)	(69,651)
Commercial Midstream	EE	29,091	3.69	-	-	69,214	29,128	3.70	-	-	69,885	29,128	3.70	-	-	55,345	87,347	11.09	-	-	182,458
Energy Efficient Communities	EE	3,603	0.62	-	-	7,553	4,078	0.63	-	-	7,451	4,126	0.64	-	-	8,889	11,807	1.89	-	-	21,893
Commercial and Industrial EE&C Programs Subtotal	EE	148,132	34.21	-	(447,331)	282,489	162,674	37.64	-	(447,270)	254,113	164,796	40.31	-	(447,270)	229,088	475,602	112.16	-	(1,341,822)	735,682
Commercial Building Electrification	Electrification	(9,786)	(1.13)	-	933,779	62,121	(20,194)	(2.27)	-	1,961,392	282,458	(31,233)	(3.42)	-	3,085,906	614,271	(61,213)	(6.82)	-	978,843	978,843
Commercial and Industrial Electrification Programs Subtotal	Electrification	(9,786)	(1.13)	-	-	62,121	(20,194)	(2.27)	-	-	282,458	(31,233)	(3.42)	-	-	614,271	(61,213)	(6.82)	-	-	978,843
Energy Efficiency and Conservation Subtotal		226,526	48.33	-	(187,943)	471,391	237,091	81.91	-	(172,689)	675,465	227,794	83.29	-	(253,514)	978,726	691,417	135.16	-	(487,020)	2,125,485
Demand Response Programs																					
Residential Demand Response Program		215	234.69	-	54	-	216	234.94	-	52	-	216	234.94	-	43	-	647	234.94	-	-	151
Small Commercial Demand Response Program		6	14.54	-	3	-	6	14.54	-	4	-	6	14.54	-	4	-	18	43.62	-	-	13
Demand Response Programs Subtotal		221	249.23	-	57	-	222	249.48	-	56	-	222	249.48	-	47	-	665	278.56	-	-	164
Other Programs																					
Conservation Voltage Reduction		60,157	10.18	-	15,168	67,743	11.47	-	16,205	67,743	11.47	-	14,803	-	-	14,803	195,843	11.47	-	-	46,001
Dynamic Pricing		308	94.24	-	78	308	94.24	-	74	308	94.24	-	66	924	94.24	-	66	924	94.24	-	216
Transformers		728	0.17	-	184	819	0.19	-	196	819	0.19	-	177	2,366	0.55	-	177	2,366	0.55	-	557
Beneficial Electrification		(7,251)	0.61	-	922,896	101,138	(22,338)	1.75	-	2,920,946	447,713	(37,507)	2.80	-	5,026,059	1,078,801	(67,586)	5.25	-	8,869,891	1,825,652
Other Programs Subtotal		53,942	105.24	-	922,886	116,558	46,532	107.63	-	2,920,946	464,181	30,873	109	-	5,026,059	1,091,651	131,347	111.51	-	9,889,891	1,672,428
EmPOWER Maryland Portfolio Total																					
All Program Total		280,689	402.73	-	734,943	587,945	283,851	409.10	-	2,748,257	1,139,709	288,889	411.92	-	4,772,845	2,070,423	823,429	528.23	-	8,372,871	3,798,078
Total Plan EE and DR Only (Exclude Electrification)		289,931	403.28	-	(187,843)	403,179	327,091	409.69	-	(172,689)	403,614	328,335	412.17	-	(253,514)	365,427	954,457	827.02	-	(614,097)	1,172,214
Program Investigation Development and Design (PIDD)																					
Energy Engineers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Summer Energy Challenge		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Controlled Environment Agriculture		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIDD Unidentified		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIDD Programs Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table ES-2 Net Maximum Scenario EmPOWER Maryland 2024-2026 Scenario Forecasts																						
Program Category (EE vs Electrification)	2024 Forecasted Metrics					2025 Forecasted Metrics					2026 Forecasted Metrics					2027 Forecasted Metrics						
	Annual Energy Savings (MMWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MMWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MMWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)	Annual Energy Savings (MMWh)	Peak Demand Reduction (MW)	Water (gallons)	Gas Savings (Therms)	Lifecycle CO2e (Short Tons)		
Energy Efficiency and Conservation Programs																						
Residential EE&C Programs																						
Energy Efficient Products	EE	12,147	1.28	-	88,000	26,907	12,165	1.28	-	88,000	26,124	12,165	1.28	-	-	23,314	36,477	3.84	-	176,000	75,342	
Appliance Rebates	EE	8,000	0.78	-	88,000	22,404	8,116	0.78	-	88,000	20,934	8,116	0.78	-	-	19,443	27,330	2.34	-	176,000	62,783	
Appliance Recycling	EE	3,049	0.50	-	-	4,503	3,049	0.50	-	-	4,188	3,049	0.50	-	-	3,871	9,147	1.50	-	-	12,559	
Home Retrofit	EE	27,882	5.21	-	233,432	74,987	26,793	5.10	-	315,128	63,309	27,114	5.19	-	-	358,324	60,999	80,889	15.50	-	906,884	198,399
Quick Home Energy Check-Up	EE	14,766	1.58	-	31,020	34,709	14,050	1.36	-	70,620	29,322	14,050	1.36	-	-	70,620	27,128	42,866	4.30	-	172,260	91,159
Home Performance	EE	7,075	2.15	-	146,016	22,909	7,337	2.23	-	146,016	22,174	7,599	2.31	-	-	146,016	21,408	22,011	6.69	-	438,048	66,488
HVAC Rebates	EE	2,370	1.27	-	15,400	9,438	2,535	1.30	-	16,500	4,422	2,594	1.31	-	-	18,700	4,768	7,499	3.88	-	50,600	18,629
School and Education	EE	2,871	0.21	-	40,981	7,941	2,871	0.21	-	81,992	7,363	2,871	0.21	-	-	122,988	6,792	8,613	0.83	-	245,976	22,116
Residential New Construction	EE	1,394	0.37	-	5,445	4,788	1,530	0.40	-	5,665	4,837	1,679	0.42	-	-	5,830	4,603	4,603	1.19	-	16,940	14,468
Efficiency for Affordable Housing	EE	15,053	2.94	-	1,690	34,294	30,107	5.88	-	3,300	64,057	30,107	5.88	-	-	3,300	59,446	75,267	14.70	-	8,250	157,739
Behaviors	EE	52,205	8.94	-	-	41,998	55,006	9.42	-	-	42,007	56,782	9.42	-	-	-	40,561	163,993	9.42	-	-	124,561
DHCD Cross Promotion	EE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential Programs Subtotal	EE	197,881	18.74	-	328,527	182,884	126,601	22.08	-	412,893	199,322	127,847	22.19	-	-	367,454	188,271	361,329	44.65	-	1,108,074	876,862
Energy Efficient Products	Electrification	(8.83)	(0.03)	-	1,514	(708)	(0.07)	-	-	5,924	(1,216)	(0.12)	-	-	-	13,924	(2,229)	(0.22)	-	-	117,077	21,360
Appliance Rebates (Electrification)	Electrification	(305)	(0.03)	-	16,681	1,514	(708)	(0.07)	-	37,547	5,924	(1,216)	(0.12)	-	-	62,849	13,924	(2,229)	-	-	117,077	21,360
Residential Electrification Programs Subtotal	Electrification	(305)	(0.03)	-	-	1,514	(708)	(0.07)	-	-	5,924	(1,216)	(0.12)	-	-	-	13,924	(2,229)	(0.22)	-	117,077	21,360
Commercial and Industrial EE&C Programs																						
Small Business	EE	45,343	7.59	-	1,650	97,709	45,343	7.59	-	1,650	89,842	45,343	7.59	-	-	1,650	81,821	136,029	22.77	-	4,950	269,376
Commercial Customer Engagement Portal	EE	1,057	-	-	-	299	1,057	-	-	-	287	1,057	-	-	-	-	285	3,171	-	-	-	851
Efficient Business Solutions	EE	94,897	43.80	-	196,480	110,528	93.13	-	-	207,646	113,952	92.62	-	-	-	194,916	319,037	148.55	-	-	599,929	
Prescriptive	EE	48,671	9.13	-	101,689	55,090	10.38	-	-	102,514	55,090	10.38	-	-	-	93,306	158,851	29.89	-	-	297,454	
Custom	EE	29,806	34.05	-	69,062	37,226	41.05	-	-	78,995	40,250	41.54	-	-	-	77,665	107,282	116.64	-	-	225,722	
Virtual Commissioning	EE	2,062	0.29	-	3,222	2,352	0.33	-	-	3,388	2,352	0.33	-	-	-	3,108	6,766	0.95	-	-	9,715	
Retrocommissioning and Building Tune-Up	EE	14,810	0.33	-	22,507	15,860	0.37	-	-	22,752	15,860	0.37	-	-	-	20,841	46,138	1.07	-	-	66,103	
Combined Heat and Power	EE	21,144	2.50	-	(447,771)	(18,556)	21,144	2.50	-	(447,771)	(23,309)	21,144	2.50	-	-	(447,771)	(27,386)	63,432	7.50	-	(1,343,313)	(69,651)
Commercial Midstream	EE	29,112	3.69	-	66,262	29,141	3.70	-	-	60,921	29,141	3.70	-	-	-	55,373	87,394	11.09	-	-	182,558	
Energy Efficient Communities	EE	5,884	1.03	-	11,892	6,643	1.06	-	-	11,748	6,809	1.07	-	-	-	10,903	19,335	3.16	-	-	34,544	
Commercial and Industrial EE&C Programs Subtotal	EE	197,497	58.61	-	(446,121)	353,686	213,856	66.98	-	(446,121)	347,136	217,041	67.48	-	-	(446,121)	315,898	628,399	193.07	-	(1,338,363)	1,016,698
Commercial Building Electrification	Electrification	(9,795)	(1.13)	-	933,779	82,121	(20,194)	(2.27)	-	1,961,392	282,435	(31,233)	(3.42)	-	-	3,085,906	614,271	(61,213)	-	-	978,843	
Commercial and Industrial Electrification Programs Subtotal	Electrification	(9,795)	(1.13)	-	-	82,121	(20,194)	(2.27)	-	-	282,435	(31,233)	(3.42)	-	-	-	614,271	(61,213)	-	-	978,843	
Energy Efficiency and Conservation Subtotal		295,287	76.19	-	(117,594)	620,285	318,555	86.72	-	(34,028)	634,631	312,444	86.13	-	-	(75,667)	1,132,364	926,286	230.68	-	(113,212)	2,687,488
Demand Response Programs																						
Residential Demand Response Program		215	234.69	-	54	216	234.94	-	50	216	234.94	-	47	647	234.94	-	15	43.62	-	-	15	
Small Commercial Demand Response Program	EE	6	14.54	-	1	6	14.54	-	4	6	14.54	-	4	18	14.54	-	1	43.62	-	-	1	
Demand Response Programs Subtotal	EE	221	249.23	-	55	222	249.48	-	54	222	249.48	-	51	665	249.48	-	16	87.24	-	-	16	
Other Programs																						
Conservation Voltage Reduction	EE	60,157	10.18	-	15,163	67,743	11.47	-	16,205	67,743	11.47	-	14,803	195,843	11.47	-	-	-	-	-	46,001	
Dynamic Pricing	EE	308	94.24	-	78	308	94.24	-	74	308	94.24	-	66	924	94.24	-	-	-	-	-	216	
Transformers	EE	728	0.17	-	184	819	0.19	-	196	819	0.19	-	177	2,366	0.55	-	-	-	-	-	557	
Beneficial Electrification	Electrification	(7,251)	0.61	-	922,896	101,134	(22,338)	1.75	-	2,920,946	447,713	(37,907)	2.89	-	-	5,026,059	1,078,801	(67,588)	-	-	8,869,891	1,625,652
Other Programs Subtotal	EE	53,942	105.20	-	922,896	116,550	46,532	107.65	-	2,920,946	464,181	36,973	108.79	-	-	5,026,059	1,091,651	131,347	111.51	-	8,869,891	1,672,428
EmPOWER Maryland Portfolio Total																						
All Program Total	EE	349,558	430.62	-	805,292	736,930	365,309	443.16	-	2,886,918	1,299,084	343,539	444.40	-	-	4,947,392	2,224,068	1,058,299	620.75	-	8,756,679	4,260,082
Total Plan EE and DR Only (Exclude Electrification)	EE	366,792	431.17	-	(117,594)	562,159	408,649	444.44	-	(34,028)	662,993	413,985	445.05	-	-	(75,667)	519,071	1,189,326	622.54	-	(230,289)	1,634,223
Program Investigation Development and Design (PIDD)																						
Energy Engineers																						
Summer Energy Challenge																						
Controlled Environment Agriculture																						
PIDD Unidentified																						
PIDD Programs Subtotal																						

Table ES-3A Gross 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2024	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$	\$ 345,500	\$ 1,545,200	\$ 735,000	\$ 153,100	\$ 2,778,800	\$ 2,321,401	\$ 5,100,201
Appliance Rebates	EE		\$	\$ 250,900	\$ 1,302,000	\$ 371,100	\$ 118,600	\$ 2,042,600	\$ 1,908,205	\$ 3,950,805
Appliance Recycling	EE		\$	\$ 94,600	\$ 243,200	\$ 363,900	\$ 34,500	\$ 736,200	\$ 413,196	\$ 1,149,396
Home Retrofit	EE		\$	\$ 873,300	\$ 2,421,100	\$ 1,125,400	\$ 695,700	\$ 5,115,500	\$ 10,069,067	\$ 23,184,567
Quick Home Energy Check-Up	EE		\$	\$ 235,400	\$ 617,100	\$ 417,800	\$ 209,500	\$ 1,479,800	\$ 5,502,398	\$ 6,982,198
Home Performance	EE		\$	\$ 179,500	\$ 692,100	\$ 354,100	\$ 363,600	\$ 1,589,400	\$ 10,530,582	\$ 12,119,982
HVAC Rebates	EE		\$	\$ 244,300	\$ 1,067,400	\$ 353,500	\$ 93,500	\$ 1,758,700	\$ 1,356,175	\$ 3,114,875
School and Education	EE		\$	\$ 214,000	\$ 44,500	\$ -	\$ 29,100	\$ 287,600	\$ 679,912	\$ 967,512
Residential New Construction	EE		\$	\$ 82,900	\$ 214,500	\$ 251,900	\$ 44,300	\$ 593,600	\$ 882,275	\$ 1,476,875
Efficiency for Affordable Housing	EE		\$	\$ 108,700	\$ 1,550,000	\$ 600,000	\$ 227,200	\$ 2,485,900	\$ 5,085,815	\$ 7,571,715
Behavioral	EE		\$	\$ 425,000	\$ 1,458,200	\$ -	\$ 58,300	\$ 1,941,500	\$ -	\$ 1,941,500
DHCD Cross Promotion	EE		\$	\$ 40,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 160,000	\$ 160,000
Residential Programs Subtotal	EE		\$	\$ 1,875,400	\$ 7,189,000	\$ 2,832,300	\$ 1,178,600	\$ 13,075,300	\$ 26,358,558	\$ 39,433,858
Energy Efficient Products	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Appliance Rebates (Electrification)	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Electrification Programs Subtotal	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial EE&C Programs										
Small Business	EE		\$	\$ 428,500	\$ 2,973,100	\$ 721,900	\$ 411,700	\$ 4,533,200	\$ 16,048,028	\$ 20,581,228
Commercial Customer Engagement Portal	EE		\$	\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500
Efficient Business Solutions	EE		\$	\$ 803,600	\$ 6,175,300	\$ 1,199,400	\$ 923,100	\$ 9,101,400	\$ 21,954,766	\$ 31,056,166
Prescriptive	EE		\$	\$ 242,400	\$ 2,188,100	\$ 331,200	\$ 502,900	\$ 3,264,600	\$ 13,498,338	\$ 16,762,938
Custom	EE		\$	\$ 197,400	\$ 2,378,800	\$ 517,300	\$ 264,800	\$ 3,358,300	\$ 5,467,228	\$ 8,825,528
Virtual Commissioning	EE		\$	\$ 181,800	\$ 885,500	\$ -	\$ 33,100	\$ 1,100,500	\$ -	\$ 1,100,500
Retrocommissioning and Building Tune-Up	EE		\$	\$ 181,900	\$ 722,900	\$ 350,900	\$ 122,300	\$ 1,378,000	\$ 2,989,200	\$ 4,367,200
Combined Heat and Power	EE		\$	\$ 158,600	\$ 177,300	\$ 111,400	\$ 137,600	\$ 584,900	\$ 4,000,000	\$ 4,584,900
Commercial Midstream	EE		\$	\$ 200,900	\$ 469,400	\$ 194,400	\$ 172,000	\$ 1,036,700	\$ 4,696,359	\$ 5,733,059
Energy Efficient Communities	EE		\$	\$ 196,100	\$ 549,000	\$ 173,200	\$ 73,000	\$ 991,300	\$ 1,441,875	\$ 2,433,175
Commercial and Industrial EE&C Programs Subtotal	EE		\$	\$ 1,906,700	\$ 11,160,000	\$ 2,520,300	\$ 1,750,000	\$ 17,331,000	\$ 48,141,828	\$ 65,472,028
Commercial Building Electrification	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency and Conservation Subtotal			\$	\$ 3,776,100	\$ 18,349,000	\$ 5,352,600	\$ 2,928,600	\$ 30,406,300	\$ 74,499,586	\$ 104,905,886
Demand Response Programs										
Residential Demand Response Program		\$ 4,488,700	\$ 1,050,200			\$ 3,038,600	\$ 403,700	\$ 8,981,200	\$ 11,202,505	\$ 20,183,705
Small Commercial Demand Response Program		\$ 210,900	\$ 159,600			\$ 143,900	\$ 31,500	\$ 545,900	\$ 604,080	\$ 1,049,980
Demand Response Programs Subtotal		\$ 4,699,600	\$ 1,209,800	\$ -	\$ -	\$ 3,182,500	\$ 435,200	\$ 9,527,100	\$ 11,796,585	\$ 21,233,685
Other Programs										
Conservation Voltage Reduction			\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total		\$ 4,699,600	\$ 1,209,800	\$ 3,776,100	\$ 18,349,000	\$ 8,535,100	\$ 3,363,800	\$ 39,933,400	\$ 86,206,171	\$ 126,139,571
Total Plan EE and DR Only (Exclude Electrification)		\$ 4,699,600	\$ 1,209,800	\$ 3,776,100	\$ 18,349,000	\$ 8,535,100	\$ 3,363,800	\$ 39,933,400	\$ 86,206,171	\$ 126,139,571
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$	\$ 17,700	\$ -	\$ -	\$ -	\$ 100,000	\$ 117,700	\$ 117,700
Summer Energy Challenge			\$	\$ 40,000	\$ 444,600	\$ 158,400	\$ 49,600	\$ 692,600	\$ 600,000	\$ 1,292,600
Controlled Environment Agriculture			\$	\$ 16,600	\$ 240,000	\$ -	\$ 20,000	\$ 276,600	\$ -	\$ 276,600
PIDO Universities			\$	\$ 91,500	\$ 855,600	\$ 591,600	\$ 85,000	\$ 1,627,800	\$ 150,000	\$ 1,773,900
PIDO Programs Subtotal			\$	\$ 166,200	\$ 1,540,000	\$ 750,000	\$ 255,600	\$ 2,714,700	\$ 750,000	\$ 3,464,700

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$14.6 Million for residential and \$0.57 Million for commercial for 2024.

Table ES-3A Gross Middle Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2024	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 345,500	\$ 1,545,200	\$ 735,000	\$ 153,100	\$ 2,778,800	\$ 2,321,401	\$ 5,100,201	
Appliance Rebates	EE		\$ 250,900	\$ 1,302,000	\$ 371,100	\$ 118,600	\$ 2,042,600	\$ 1,908,205	\$ 3,950,805	
Appliance Recycling	EE		\$ 94,600	\$ 243,200	\$ 363,900	\$ 34,500	\$ 736,200	\$ 413,196	\$ 1,149,396	
Home Retrofit	EE		\$ 873,300	\$ 2,421,100	\$ 1,125,400	\$ 695,700	\$ 5,115,500	\$ 18,089,067	\$ 23,184,567	
Quick Home Energy Check-Up	EE		\$ 235,400	\$ 617,100	\$ 417,800	\$ 209,500	\$ 1,479,800	\$ 5,502,388	\$ 6,982,188	
Home Performance	EE		\$ 179,600	\$ 692,100	\$ 354,100	\$ 363,600	\$ 1,569,400	\$ 10,530,582	\$ 12,119,982	
HVAC Rebates	EE		\$ 244,300	\$ 1,067,400	\$ 353,500	\$ 93,500	\$ 1,758,700	\$ 1,355,175	\$ 3,114,875	
School and Education	EE		\$ 214,000	\$ 44,500	\$ -	\$ 29,100	\$ 287,600	\$ 679,912	\$ 967,512	
Residential New Construction	EE		\$ 82,900	\$ 214,500	\$ 251,900	\$ 44,300	\$ 593,600	\$ 882,275	\$ 1,475,875	
Efficiency for Affordable Housing	EE		\$ 108,700	\$ 1,550,000	\$ 600,000	\$ 227,200	\$ 2,485,900	\$ 5,085,815	\$ 7,571,715	
Behavioral	EE		\$ 425,000	\$ 1,458,200	\$ -	\$ 58,300	\$ 1,941,500	\$ -	\$ 1,941,500	
DHCD Cross Promoter	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal	EE		\$ 1,876,400	\$ 7,189,000	\$ 2,832,300	\$ 1,178,600	\$ 13,075,300	\$ 26,368,658	\$ 39,433,858	
Energy Efficient Products	Electrification		\$ 56,000	\$ 185,000	\$ 90,000	\$ 11,300	\$ 342,300	\$ 31,873	\$ 373,873	
Appliance Rebates (Electrification)	Electrification		\$ 56,000	\$ 185,000	\$ 90,000	\$ 11,300	\$ 342,300	\$ 31,873	\$ 373,873	
Residential Electrification Programs Subtotal	Electrification		\$ 56,000	\$ 185,000	\$ 90,000	\$ 11,300	\$ 342,300	\$ 31,873	\$ 373,873	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 426,500	\$ 2,973,100	\$ 721,900	\$ 411,700	\$ 4,533,200	\$ 16,048,028	\$ 20,581,228	
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE		\$ 893,600	\$ 6,175,300	\$ 1,199,400	\$ 923,100	\$ 9,101,400	\$ 21,954,766	\$ 31,956,166	
Prescriptive	EE		\$ 242,400	\$ 2,186,100	\$ 331,200	\$ 502,900	\$ 3,264,600	\$ 13,498,338	\$ 16,762,938	
Custom	EE		\$ 197,400	\$ 2,378,800	\$ 517,300	\$ 264,800	\$ 3,358,300	\$ 5,467,228	\$ 8,825,528	
Virtual Commissioning	EE		\$ 181,900	\$ 885,500	\$ -	\$ 33,100	\$ 1,100,500	\$ -	\$ 1,100,500	
Retrocommissioning and Building Tune-Up	EE		\$ 181,900	\$ 722,900	\$ 350,800	\$ 122,300	\$ 1,378,000	\$ 2,989,200	\$ 4,367,200	
Combined Heat and Power	EE		\$ 158,600	\$ 177,300	\$ 111,400	\$ 137,600	\$ 584,900	\$ 4,000,000	\$ 4,584,900	
Commercial Midstream	EE		\$ 200,900	\$ 469,400	\$ 194,400	\$ 172,000	\$ 1,036,700	\$ 4,696,359	\$ 5,733,059	
Energy Efficient Communities	EE		\$ 196,100	\$ 549,000	\$ 173,200	\$ 73,000	\$ 991,300	\$ 1,441,875	\$ 2,433,175	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 1,993,700	\$ 11,160,000	\$ 2,820,300	\$ 1,768,000	\$ 17,331,000	\$ 48,141,028	\$ 65,472,028	
Commercial Building Electrification	Electrification		\$ 150,000	\$ 400,000	\$ 175,000	\$ 43,500	\$ 768,500	\$ 679,117	\$ 1,447,617	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 150,000	\$ 400,000	\$ 175,000	\$ 43,500	\$ 768,500	\$ 679,117	\$ 1,447,617	
Energy Efficiency and Conservation Subtotal			\$ 3,982,100	\$ 18,934,000	\$ 5,617,600	\$ 2,953,400	\$ 31,617,100	\$ 75,210,276	\$ 106,727,376	
Demand Response Programs										
Residential Demand Response Program		\$ 1,050,200	\$ 4,488,700			\$ 3,038,600	\$ 403,700	\$ 8,981,200	\$ 11,202,505	\$ 20,183,705
Small Commercial Demand Response Program		\$ 159,600	\$ 210,900			\$ 143,900	\$ 31,500	\$ 545,900	\$ 604,080	\$ 1,049,980
Demand Response Programs Subtotal		\$ 1,209,800	\$ 4,699,600	\$ -	\$ -	\$ 3,182,500	\$ 435,200	\$ 9,627,100	\$ 11,706,585	\$ 21,233,685
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total		\$ 1,209,800	\$ 4,699,600	\$ 3,982,100	\$ 18,934,000	\$ 8,800,100	\$ 3,418,600	\$ 41,044,200	\$ 86,916,861	\$ 127,961,061
Total Plan EE and DR Only (Exclude Electrification)		\$ 1,209,800	\$ 4,699,600	\$ 3,776,100	\$ 18,349,000	\$ 8,535,100	\$ 3,363,800	\$ 39,933,400	\$ 86,296,171	\$ 126,139,571
Program Investigation Development and Design (PIDD)										
Energy Engineers			\$ 17,700	\$ -	\$ -	\$ -	\$ 100,000	\$ 117,700	\$ -	\$ 117,700
Summer Energy Challenge			\$ 40,000	\$ 444,600	\$ 158,400	\$ 49,600	\$ 692,600	\$ 600,000	\$ 1,292,600	
Controlled Environment Agriculture			\$ 16,600	\$ 240,000	\$ -	\$ 20,000	\$ 276,600	\$ -	\$ 276,600	
PIDD Unidentified			\$ 91,900	\$ 855,400	\$ 591,600	\$ 88,900	\$ 1,627,800	\$ 150,000	\$ 1,777,800	
PIDD Programs Subtotal			\$ 166,200	\$ 1,540,000	\$ 750,000	\$ 258,500	\$ 2,714,700	\$ 750,000	\$ 3,464,700	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$14.8 Million for residential and \$0.57 Million for commercial for 2024.

Table ES-3A Gross Maximum Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2024	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 541,400	\$ 1,805,600	\$ 973,300	\$ 217,800	\$ 3,638,100	\$ 3,716,508	\$ 7,254,608	
Appliance Rebates	EE		\$ 393,200	\$ 1,562,400	\$ 501,800	\$ 175,200	\$ 2,632,600	\$ 3,204,765	\$ 5,837,365	
Appliance Recycling	EE		\$ 148,200	\$ 243,200	\$ 471,500	\$ 42,800	\$ 905,500	\$ 511,743	\$ 1,417,243	
Home Retrofit	EE		\$ 1,365,200	\$ 2,919,000	\$ 1,458,400	\$ 988,700	\$ 6,731,300	\$ 26,220,730	\$ 32,952,030	
Quick Home Energy Check-Up	EE		\$ 368,900	\$ 673,200	\$ 541,400	\$ 229,200	\$ 1,812,700	\$ 5,825,945	\$ 7,638,645	
Home Performance	EE		\$ 281,400	\$ 865,100	\$ 458,900	\$ 576,900	\$ 2,182,300	\$ 17,047,685	\$ 19,229,985	
HVAC Rebates	EE		\$ 382,700	\$ 1,334,200	\$ 458,100	\$ 140,000	\$ 2,315,000	\$ 2,348,988	\$ 4,663,988	
School and Education	EE		\$ 332,200	\$ 46,500	\$ -	\$ 42,600	\$ 421,300	\$ 998,112	\$ 1,419,412	
Residential New Construction	EE		\$ 129,700	\$ 224,200	\$ 326,500	\$ 58,800	\$ 739,200	\$ 1,219,350	\$ 1,968,550	
Efficiency for Affordable Housing	EE		\$ 179,300	\$ 2,000,000	\$ 900,000	\$ 1,141,900	\$ 4,221,200	\$ 33,839,000	\$ 38,060,200	
Behavioral	EE		\$ 666,000	\$ 1,562,400	\$ -	\$ 69,000	\$ 2,297,400	\$ -	\$ 2,297,400	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal			\$ 2,921,600	\$ 8,511,200	\$ 3,778,200	\$ 2,476,200	\$ 17,687,200	\$ 64,995,588	\$ 82,682,788	
Energy Efficient Products										
Electrification	Electrification		\$ 92,000	\$ 185,000	\$ 90,000	\$ 12,400	\$ 379,400	\$ 31,673	\$ 410,973	
Appliance Rebates (Electrification)										
Electrification	Electrification		\$ 92,000	\$ 185,000	\$ 90,000	\$ 12,400	\$ 379,400	\$ 31,673	\$ 410,973	
Residential Electrification Programs Subtotal			\$ 92,000	\$ 185,000	\$ 90,000	\$ 12,400	\$ 379,400	\$ 31,673	\$ 410,973	
Commercial and Industrial EE Programs										
Small Business	EE		\$ 682,000	\$ 3,307,100	\$ 886,000	\$ 911,900	\$ 5,767,000	\$ 39,624,692	\$ 45,591,692	
Commercial Customer Engagement Portal	EE		\$ 170,700	\$ 815,900	\$ 120,000	\$ 34,300	\$ 1,140,900	\$ -	\$ 1,140,900	
Efficient Business Solutions	EE		\$ 1,247,300	\$ 7,994,000	\$ 1,591,200	\$ 2,141,200	\$ 12,973,700	\$ 58,809,945	\$ 71,783,645	
Prescriptive	EE		\$ 376,300	\$ 2,785,200	\$ 424,000	\$ 1,112,000	\$ 4,697,500	\$ 32,398,995	\$ 37,066,495	
Custom	EE		\$ 306,400	\$ 2,712,500	\$ 662,100	\$ 797,100	\$ 4,478,100	\$ 22,056,763	\$ 26,568,663	
Virtual Commissioning	EE		\$ 282,300	\$ 1,562,700	\$ -	\$ 58,000	\$ 1,933,000	\$ -	\$ 1,933,000	
Retrocommissioning and Building Tune-Up	EE		\$ 282,300	\$ 993,600	\$ 305,100	\$ 174,100	\$ 1,865,100	\$ 4,350,216	\$ 6,215,316	
Combined Heat and Power	EE		\$ 246,100	\$ 177,300	\$ 142,600	\$ 141,300	\$ 707,300	\$ 4,000,000	\$ 4,707,300	
Commercial Midstream	EE		\$ 311,900	\$ 719,700	\$ 248,800	\$ 205,400	\$ 1,485,800	\$ 5,358,081	\$ 6,843,881	
Energy Efficient Communities	EE		\$ 304,500	\$ 627,400	\$ 221,700	\$ 140,600	\$ 1,294,200	\$ 3,389,827	\$ 4,684,027	
Commercial and Industrial EE&C Programs Subtotal			\$ 2,842,500	\$ 13,041,400	\$ 3,210,300	\$ 3,574,700	\$ 23,368,000	\$ 111,352,545	\$ 134,751,445	
Commercial Building Electrification										
Electrification	Electrification		\$ 246,500	\$ 400,000	\$ 175,000	\$ 46,500	\$ 868,000	\$ 679,117	\$ 1,547,117	
Commercial and Industrial Electrification Programs Subtotal			\$ 246,500	\$ 400,000	\$ 175,000	\$ 46,500	\$ 868,000	\$ 679,117	\$ 1,547,117	
Energy Efficiency and Conservation Subtotal			\$ 6,202,600	\$ 22,737,600	\$ 7,253,500	\$ 6,109,800	\$ 42,303,600	\$ 177,088,823	\$ 219,392,323	
Demand Response Programs										
Residential Demand Response Program			\$ 1,050,200	\$ 4,488,700	\$ 3,038,600	\$ 403,700	\$ 8,981,200	\$ 11,202,505	\$ 20,183,705	
Small Commercial Demand Response Program			\$ 159,600	\$ 210,900	\$ 143,900	\$ 31,500	\$ 645,900	\$ 504,080	\$ 1,049,980	
Demand Response Programs Subtotal			\$ 1,209,800	\$ 4,699,600	\$ -	\$ -	\$ 3,187,500	\$ 435,200	\$ 21,233,685	
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,209,800	\$ 4,699,600	\$ 2,232,600	\$ 22,737,600	\$ 10,436,000	\$ 6,545,000	\$ 51,830,600	\$ 240,626,008
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,209,800	\$ 4,699,600	\$ 5,864,100	\$ 22,152,600	\$ 10,171,000	\$ 6,486,100	\$ 50,683,200	\$ 238,667,818
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$ 28,300	\$ -	\$ -	\$ -	\$ 100,000	\$ 126,300	\$ -	\$ 126,300
Summer Energy Challenge			\$ 59,300	\$ 444,600	\$ 158,400	\$ 49,600	\$ 711,900	\$ 600,000	\$ 1,311,900	
Controlled Environment Agriculture			\$ 24,600	\$ 240,000	\$ -	\$ -	\$ 20,000	\$ 284,600	\$ -	\$ 284,600
PIDO Unidentified			\$ 136,400	\$ 855,400	\$ 591,600	\$ 91,300	\$ 1,674,700	\$ 150,000	\$ 1,824,700	
PIDO Programs Subtotal			\$ 248,600	\$ 1,540,000	\$ 750,000	\$ 265,900	\$ 2,797,500	\$ 786,000	\$ 3,547,500	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$14.6 Million for residential and \$0.57 Million for commercial for 2024.

Table ES-3B Gross 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2025	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 381,000	\$ 1,899,700	\$ 812,600	\$ 171,100	\$ 3,064,400	\$ 2,635,981	\$ 5,700,381	
Appliance Rebates	EE		\$ 276,700	\$ 1,432,200	\$ 410,300	\$ 134,300	\$ 2,253,500	\$ 2,222,765	\$ 4,476,265	
Appliance Recycling	EE		\$ 104,300	\$ 267,500	\$ 402,300	\$ 36,800	\$ 810,900	\$ 413,196	\$ 1,224,096	
Home Retrofit	EE		\$ 962,400	\$ 2,663,100	\$ 1,244,300	\$ 719,600	\$ 5,689,400	\$ 16,389,315	\$ 23,978,715	
Quick Home Energy Check-Up	EE		\$ 259,600	\$ 676,800	\$ 461,900	\$ 210,000	\$ 1,610,300	\$ 5,387,113	\$ 6,997,413	
Home Performance	EE		\$ 198,000	\$ 761,300	\$ 391,500	\$ 378,100	\$ 1,729,900	\$ 10,904,790	\$ 12,634,690	
HVAC Rebates	EE		\$ 269,300	\$ 1,174,100	\$ 390,900	\$ 100,600	\$ 1,934,900	\$ 1,417,500	\$ 3,352,400	
School and Education	EE		\$ 235,500	\$ 46,900	\$ -	\$ 29,900	\$ 314,300	\$ 679,912	\$ 994,212	
Residential New Construction	EE		\$ 51,300	\$ 235,900	\$ 278,600	\$ 47,900	\$ 663,700	\$ 941,325	\$ 1,595,025	
Efficiency for Affordable Housing	EE		\$ 119,500	\$ 1,503,500	\$ 660,000	\$ 528,200	\$ 2,811,200	\$ 14,792,800	\$ 17,604,000	
Behavioral	EE		\$ 468,700	\$ 1,604,000	\$ -	\$ 64,200	\$ 2,136,900	\$ -	\$ 2,136,900	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 160,000	\$ -	\$ 160,000
Residential Programs Subtotal	EE		\$ 2,062,900	\$ 7,706,200	\$ 3,115,500	\$ 1,631,000	\$ 14,415,600	\$ 36,789,401	\$ 51,175,001	
Energy Efficient Products	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Appliance Rebates (Electrification)	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Residential Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 469,100	\$ 3,290,400	\$ 794,100	\$ 420,500	\$ 4,974,100	\$ 16,048,028	\$ 21,022,128	
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE		\$ 883,900	\$ 6,895,600	\$ 1,339,300	\$ 1,077,800	\$ 10,106,600	\$ 26,131,936	\$ 36,237,636	
Prescriptive	EE		\$ 266,600	\$ 2,427,000	\$ 364,300	\$ 578,300	\$ 3,636,200	\$ 15,637,886	\$ 19,274,086	
Custom	EE		\$ 217,100	\$ 2,634,600	\$ 569,000	\$ 330,100	\$ 3,750,800	\$ 7,251,350	\$ 11,002,150	
Virtual Commissioning	EE		\$ 200,100	\$ 948,800	\$ -	\$ 35,600	\$ 1,184,500	\$ -	\$ 1,184,500	
Retroscreening and Building Tune-Up	EE		\$ 290,100	\$ 755,200	\$ 130,600	\$ 136,600	\$ 1,256,100	\$ 3,241,900	\$ 4,739,900	
Combined Heat and Power	EE		\$ 114,400	\$ 196,000	\$ 122,500	\$ 136,000	\$ 631,900	\$ 4,000,000	\$ 4,631,900	
Commercial Midstream	EE		\$ 221,000	\$ 516,300	\$ 213,900	\$ 178,900	\$ 1,131,100	\$ 4,864,359	\$ 5,995,459	
Energy Efficient Communities	EE		\$ 215,700	\$ 603,900	\$ 190,500	\$ 106,000	\$ 1,116,100	\$ 2,415,220	\$ 3,531,320	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,679,100	\$ 12,228,100	\$ 2,760,300	\$ 1,956,800	\$ 19,043,300	\$ 53,456,643	\$ 72,501,943	
Commercial Building Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Energy Efficiency and Conservation Subtotal			\$ 4,142,000	\$ 19,934,300	\$ 5,895,800	\$ 3,486,800	\$ 33,458,900	\$ 90,218,044	\$ 123,676,944	
Demand Response Programs										
Residential Demand Response Program			\$ 1,137,200	\$ 4,817,600	\$ -	\$ 3,302,400	\$ 418,600	\$ 9,675,800	\$ 11,252,505	\$ 20,928,305
Small Commercial Demand Response Program			\$ 175,500	\$ 232,000	\$ -	\$ 158,300	\$ 33,100	\$ 598,000	\$ 504,080	\$ 1,102,980
Demand Response Programs Subtotal			\$ 1,312,700	\$ 5,049,600	\$ -	\$ 3,460,700	\$ 451,700	\$ 10,274,700	\$ 11,756,585	\$ 22,031,285
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,312,700	\$ 5,049,600	\$ 4,142,000	\$ 19,934,300	\$ 9,356,600	\$ 3,938,600	\$ 43,733,600	\$ 161,974,629
Total Plan EE and DR Only (Excludes Electrification)			\$ 1,312,700	\$ 5,049,600	\$ 4,142,000	\$ 19,934,300	\$ 9,356,600	\$ 3,938,600	\$ 43,733,600	\$ 161,974,629
Program Investigation Development and Design (PIDD)										
Energy Engineers			\$ 16,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 111,600	\$ -	\$ 111,600
Summer Energy Challenge			\$ 35,900	\$ 339,300	\$ 137,700	\$ 44,400	\$ 657,300	\$ 600,000	\$ 1,157,300	
Controlled Environment Agriculture			\$ 16,800	\$ 160,000	\$ -	\$ 18,000	\$ 194,800	\$ -	\$ 194,800	
PIDD Unidentified			\$ 113,700	\$ 1,040,700	\$ 612,300	\$ 100,900	\$ 1,867,600	\$ 150,000	\$ 2,017,600	
PIDD Programs Subtotal			\$ 182,600	\$ 1,540,000	\$ 750,000	\$ 258,300	\$ 2,731,100	\$ 760,000	\$ 3,481,100	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$21.9 Million for residential and \$0.85 Million for commercial for 2025.

Table ES-3B Gross Middle Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2025	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 381,000	\$ 1,899,700	\$ 812,600	\$ 171,100	\$ 3,064,400	\$ 2,635,961	\$ 5,700,361	
Appliance Rebates	EE		\$ 276,700	\$ 1,432,200	\$ 410,300	\$ 134,300	\$ 2,253,500	\$ 2,222,765	\$ 4,476,265	
Appliance Recycling	EE		\$ 104,300	\$ 267,500	\$ 402,300	\$ 36,800	\$ 810,900	\$ 413,198	\$ 1,224,098	
Home Retrofits	EE		\$ 962,400	\$ 2,663,100	\$ 1,244,300	\$ 719,600	\$ 5,589,400	\$ 18,389,315	\$ 23,978,715	
Quick Home Energy Check-Up	EE		\$ 258,600	\$ 678,800	\$ 461,900	\$ 210,000	\$ 1,610,300	\$ 5,387,113	\$ 6,997,413	
Home Performance	EE		\$ 198,000	\$ 761,300	\$ 361,500	\$ 376,100	\$ 1,729,900	\$ 10,964,790	\$ 12,694,690	
HVAC Rebates	EE		\$ 269,300	\$ 1,174,100	\$ 390,900	\$ 100,600	\$ 1,934,900	\$ 1,417,500	\$ 3,352,400	
School and Education	EE		\$ 235,500	\$ 48,900	\$ -	\$ 29,900	\$ 314,300	\$ 679,912	\$ 994,212	
Residential New Construction	EE		\$ 51,300	\$ 235,900	\$ 278,600	\$ 47,900	\$ 653,700	\$ 941,325	\$ 1,595,025	
Efficiency for Affordable Housing	EE		\$ 119,500	\$ 1,503,500	\$ 660,000	\$ 528,200	\$ 2,811,200	\$ 14,792,800	\$ 17,604,000	
Behavioral	EE		\$ 468,700	\$ 1,604,000	\$ -	\$ 64,200	\$ 2,136,900	\$ -	\$ 2,136,900	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal	EE		\$ 2,062,900	\$ 7,706,200	\$ 3,115,600	\$ 1,631,000	\$ 14,415,600	\$ 36,789,401	\$ 51,175,001	
Energy Efficient Products										
Appliance Rebates (Electrification)	Electrification		\$ 60,000	\$ 195,000	\$ 90,000	\$ 12,600	\$ 347,600	\$ 70,006	\$ 417,606	
Residential Electrification Programs Subtotal	Electrification		\$ 60,000	\$ 195,000	\$ 90,000	\$ 12,600	\$ 347,600	\$ 70,006	\$ 417,606	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 469,100	\$ 3,290,400	\$ 794,100	\$ 420,500	\$ 4,974,100	\$ 16,048,028	\$ 21,022,128	
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE		\$ 883,900	\$ 6,805,600	\$ 1,339,300	\$ 1,077,800	\$ 10,106,600	\$ 26,131,036	\$ 36,237,636	
Prescriptive	EE		\$ 266,600	\$ 2,427,000	\$ 364,300	\$ 576,300	\$ 3,636,200	\$ 15,637,695	\$ 19,274,095	
Custom	EE		\$ 217,100	\$ 2,634,600	\$ 569,000	\$ 335,100	\$ 3,759,800	\$ 7,251,350	\$ 11,002,150	
Virtual Commissioning	EE		\$ 200,100	\$ 948,800	\$ -	\$ 35,600	\$ 1,184,500	\$ -	\$ 1,184,500	
Retrocommissioning and Building Tune-Up	EE		\$ 200,100	\$ 795,200	\$ 496,000	\$ 133,600	\$ 1,555,100	\$ 3,241,900	\$ 4,796,800	
Combined Heat and Power	EE		\$ 174,400	\$ 196,000	\$ 122,500	\$ 136,000	\$ 631,900	\$ 4,060,000	\$ 4,891,900	
Commercial Midstream	EE		\$ 221,000	\$ 516,300	\$ 213,900	\$ 179,900	\$ 1,131,100	\$ 4,864,359	\$ 5,995,459	
Energy Efficient Communities	EE		\$ 215,700	\$ 603,900	\$ 190,500	\$ 106,000	\$ 1,116,100	\$ 2,415,220	\$ 3,531,320	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,679,100	\$ 12,228,100	\$ 2,710,300	\$ 1,956,900	\$ 19,043,300	\$ 63,458,643	\$ 72,501,943	
Commercial Building Electrification	Electrification		\$ 150,000	\$ 450,000	\$ 175,000	\$ 69,300	\$ 844,300	\$ 1,465,219	\$ 2,309,519	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 150,000	\$ 450,000	\$ 175,000	\$ 69,300	\$ 844,300	\$ 1,465,219	\$ 2,309,519	
Energy Efficiency and Conservation Subtotal			\$ 4,342,000	\$ 20,679,300	\$ 6,160,800	\$ 3,668,700	\$ 34,650,800	\$ 91,753,269	\$ 126,404,069	
Demand Response Programs										
Residential Demand Response Program			\$ 1,137,200	\$ 4,817,600		\$ 3,302,400	\$ 418,600	\$ 9,675,800	\$ 11,252,505	\$ 20,928,305
Small Commercial Demand Response Program			\$ 175,500	\$ 232,000		\$ 158,300	\$ 33,100	\$ 598,000	\$ 504,080	\$ 1,102,080
Demand Response Programs Subtotal			\$ 1,312,700	\$ 5,049,600	\$ -	\$ 3,460,700	\$ 451,700	\$ 10,274,700	\$ 11,756,585	\$ 22,031,285
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,312,700	\$ 5,049,600	\$ 4,342,000	\$ 20,679,300	\$ 9,621,500	\$ 44,925,500	\$ 163,509,854	\$ 148,435,354
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,312,700	\$ 5,049,600	\$ 4,142,000	\$ 19,934,300	\$ 9,356,500	\$ 43,733,600	\$ 161,974,629	\$ 146,706,229
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$ 16,600	\$ -	\$ -	\$ -	\$ 86,000	\$ 111,600	\$ -	\$ 111,600
Summer Energy Challenge			\$ 35,900	\$ 339,300	\$ 137,700	\$ 44,400	\$ 667,300	\$ 600,000	\$ 1,167,300	
Controlled Environment Agriculture			\$ 16,600	\$ -	\$ 160,000	\$ -	\$ 194,600	\$ -	\$ 194,600	
PIDO Unidentified			\$ 113,700	\$ 1,040,700	\$ 612,300	\$ 100,900	\$ 1,867,600	\$ 150,000	\$ 2,017,600	
PIDO Programs Subtotal			\$ 182,800	\$ 1,440,000	\$ 790,000	\$ 254,300	\$ 2,791,100	\$ 760,000	\$ 3,481,100	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$21.9 Million for residential and \$0.85 Million for commercial for 2025.

Table ES-3B Gross Maximum Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2025	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 596,400	\$ 1,986,100	\$ 1,074,800	\$ 228,600	\$ 3,885,900	\$ 3,731,508	\$ 7,617,408	
Appliance Rebates	EE		\$ 433,100	\$ 1,718,600	\$ 554,100	\$ 183,300	\$ 2,889,100	\$ 3,219,765	\$ 6,108,865	
Appliance Recycling	EE		\$ 163,300	\$ 267,500	\$ 520,700	\$ 45,300	\$ 996,800	\$ 511,743	\$ 1,508,543	
Home Retrofit	EE		\$ 1,803,800	\$ 3,210,900	\$ 1,610,700	\$ 1,047,200	\$ 7,372,400	\$ 27,527,724	\$ 34,900,124	
Quick Home Energy Check-Up	EE		\$ 406,400	\$ 740,500	\$ 597,900	\$ 257,500	\$ 2,002,300	\$ 6,580,177	\$ 8,582,477	
Home Performance	EE		\$ 309,900	\$ 951,600	\$ 506,800	\$ 594,600	\$ 2,362,800	\$ 17,455,185	\$ 19,818,085	
HVAC Rebates	EE		\$ 421,700	\$ 1,467,600	\$ 506,000	\$ 151,300	\$ 2,546,600	\$ 2,494,250	\$ 5,040,850	
School and Education	EE		\$ 365,600	\$ 51,200	\$ -	\$ 43,800	\$ 460,600	\$ 998,112	\$ 1,458,712	
Residential New Construction	EE		\$ 143,000	\$ 246,600	\$ 360,500	\$ 64,700	\$ 814,800	\$ 1,339,225	\$ 2,154,025	
Efficiency for Affordable Housing	EE		\$ 197,200	\$ 2,200,000	\$ 990,000	\$ 2,197,900	\$ 5,585,100	\$ 67,678,000	\$ 73,263,100	
Behavioral	EE		\$ 733,700	\$ 1,718,600	\$ -	\$ 75,900	\$ 2,528,200	\$ -	\$ 2,528,200	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal	EE		\$ 3,213,900	\$ 9,362,200	\$ 4,156,600	\$ 3,614,300	\$ 20,346,400	\$ 100,276,457	\$ 120,622,857	
Energy Efficient Products	Electrification		\$ 82,200	\$ 195,000	\$ 90,000	\$ 13,600	\$ 380,800	\$ 70,008	\$ 450,808	
Appliance Rebates (Electrification)	Electrification		\$ 82,200	\$ 195,000	\$ 90,000	\$ 13,600	\$ 380,800	\$ 70,008	\$ 450,808	
Residential Electrification Programs Subtotal	Electrification		\$ 82,200	\$ 195,000	\$ 90,000	\$ 13,600	\$ 380,800	\$ 70,008	\$ 450,808	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 728,200	\$ 3,657,800	\$ 974,600	\$ 922,200	\$ 6,282,800	\$ 39,824,652	\$ 46,107,492	
Commercial Customer Engagement Portal	EE		\$ 170,700	\$ 815,900	\$ 120,000	\$ 34,300	\$ 1,140,900	\$ -	\$ 1,140,900	
Efficient Business Solutions	EE		\$ 1,371,900	\$ 8,849,000	\$ 1,770,300	\$ 2,486,700	\$ 14,471,900	\$ 68,665,596	\$ 83,137,496	
Prescriptive	EE		\$ 413,900	\$ 3,083,700	\$ 466,400	\$ 1,259,600	\$ 5,223,800	\$ 36,780,170	\$ 41,983,770	
Custom	EE		\$ 337,000	\$ 3,001,700	\$ 728,300	\$ 964,600	\$ 5,031,600	\$ 27,120,188	\$ 32,151,788	
Virtual Commissioning	EE		\$ 310,500	\$ 1,769,600	\$ -	\$ 64,400	\$ 2,144,500	\$ -	\$ 2,144,500	
Retrocommissioning and Building Tune-Up	EE		\$ 310,500	\$ 894,000	\$ 575,600	\$ 192,100	\$ 2,072,200	\$ 4,785,238	\$ 6,857,438	
Combined Heat and Power	EE		\$ 270,800	\$ 196,000	\$ 143,000	\$ 766,600	\$ 4,000,000	\$ 4,766,500	\$ 4,766,500	
Commercial Midstream	EE		\$ 342,900	\$ 791,600	\$ 273,700	\$ 216,100	\$ 1,624,300	\$ 5,578,081	\$ 7,202,381	
Energy Efficient Communities	EE		\$ 334,900	\$ 690,200	\$ 243,800	\$ 187,600	\$ 1,458,500	\$ 4,756,522	\$ 6,253,022	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 3,219,400	\$ 15,000,500	\$ 3,539,200	\$ 3,983,900	\$ 25,743,000	\$ 122,864,891	\$ 148,607,891	
Commercial Building Electrification	Electrification		\$ 248,500	\$ 450,000	\$ 175,000	\$ 72,300	\$ 943,800	\$ 1,465,219	\$ 2,409,019	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 248,500	\$ 450,000	\$ 175,000	\$ 72,300	\$ 943,800	\$ 1,465,219	\$ 2,409,019	
Energy Efficiency and Conservation Subtotal			\$ 6,762,000	\$ 25,007,700	\$ 7,960,200	\$ 7,684,100	\$ 47,414,000	\$ 224,676,573	\$ 272,090,573	
Demand Response Programs										
Residential Demand Response Program			\$ 1,137,200	\$ 4,817,600	\$ -	\$ 3,302,400	\$ 418,600	\$ 9,675,800	\$ 11,252,505	\$ 20,928,305
Small Commercial Demand Response Program			\$ 175,500	\$ 232,000	\$ -	\$ 158,300	\$ 33,100	\$ 598,000	\$ 504,080	\$ 1,102,980
Demand Response Programs Subtotal			\$ 1,312,700	\$ 5,049,600	\$ -	\$ 3,460,700	\$ 451,700	\$ 10,274,700	\$ 11,756,585	\$ 22,031,285
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,312,700	\$ 5,049,600	\$ 6,762,000	\$ 25,007,700	\$ 11,420,900	\$ 87,688,700	\$ 236,433,158	\$ 294,121,858
Total Plan EE and DR Only (Excludes Electrification)			\$ 1,312,700	\$ 5,049,600	\$ 6,433,300	\$ 24,362,700	\$ 11,155,900	\$ 86,364,100	\$ 234,897,933	\$ 291,262,033
Program Investigation Development and Design (PIDD)										
Energy Engineers			\$ 24,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 119,600	\$ -	\$ 119,600
Summer Energy Challenge			\$ 53,200	\$ 339,300	\$ 137,700	\$ 44,400	\$ 574,600	\$ 600,000	\$ 1,174,600	
Controlled Environment Agriculture			\$ 24,800	\$ 160,000	\$ -	\$ 18,000	\$ 202,800	\$ -	\$ 202,800	
PIDD Unidentified			\$ 168,700	\$ 1,040,700	\$ 612,300	\$ 103,800	\$ 1,925,500	\$ 150,000	\$ 2,075,500	
PIDD Programs Subtotal			\$ 271,300	\$ 1,440,000	\$ 750,000	\$ 261,200	\$ 2,822,300	\$ 769,600	\$ 3,572,300	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$21.9 Million for residential and \$0.85 Million for commercial for 2025.

Table ES-3C Gross 2023 Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 392,769	\$ 1,760,700	\$ 636,300	\$ 173,898	\$ 3,155,500	\$ 2,635,961	\$ 5,791,461	
Appliance Rebates	EE		\$ 285,200	\$ 1,475,200	\$ 423,300	\$ 136,300	\$ 2,320,000	\$ 2,222,765	\$ 4,542,765	
Appliance Recycling	EE		\$ 107,500	\$ 275,500	\$ 415,000	\$ 37,500	\$ 835,500	\$ 413,196	\$ 1,248,696	
Home Retrofit	EE		\$ 991,900	\$ 2,743,000	\$ 1,263,000	\$ 723,000	\$ 5,741,900	\$ 16,351,894	\$ 24,093,394	
Quick Home Energy Check-Up	EE		\$ 267,600	\$ 699,200	\$ 476,500	\$ 296,500	\$ 1,649,800	\$ 5,231,532	\$ 6,881,732	
Home Performance	EE		\$ 204,100	\$ 784,100	\$ 403,900	\$ 382,700	\$ 1,774,800	\$ 10,979,790	\$ 12,754,590	
HVAC Rebates	EE		\$ 277,600	\$ 1,209,300	\$ 403,200	\$ 103,700	\$ 1,963,800	\$ 1,460,250	\$ 3,454,050	
School and Education	EE		\$ 242,600	\$ 56,400	\$ -	\$ 30,100	\$ 323,100	\$ 679,912	\$ 1,003,012	
Residential New Construction	EE		\$ 94,200	\$ 243,000	\$ 287,300	\$ 50,500	\$ 675,000	\$ 1,006,250	\$ 1,681,250	
Efficiency for Affordable Housing	EE		\$ 123,200	\$ 1,576,700	\$ 679,800	\$ 531,200	\$ 2,912,900	\$ 14,792,800	\$ 17,705,700	
Behavioral	EE		\$ 483,100	\$ 1,652,200	\$ -	\$ 66,100	\$ 2,201,400	\$ -	\$ 2,201,400	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 160,000	\$ -	\$ 160,000
Residential Programs Subtotal	EE		\$ 2,125,100	\$ 7,967,600	\$ 3,209,000	\$ 1,544,600	\$ 14,846,300	\$ 36,786,895	\$ 51,633,195	
Energy Efficient Products	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Appliance Rebates (Electrification)	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 483,200	\$ 3,395,100	\$ 818,000	\$ 423,400	\$ 5,119,700	\$ 16,048,028	\$ 21,167,728	
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE		\$ 918,800	\$ 6,992,800	\$ 1,365,600	\$ 1,162,300	\$ 10,391,100	\$ 26,666,472	\$ 37,058,572	
Prescriptive	EE		\$ 214,600	\$ 2,055,800	\$ 375,300	\$ 585,800	\$ 3,741,500	\$ 15,784,509	\$ 19,526,009	
Custom	EE		\$ 223,700	\$ 2,719,100	\$ 586,100	\$ 345,500	\$ 3,874,400	\$ 7,642,163	\$ 11,516,563	
Virtual Commissioning	EE		\$ 206,100	\$ 948,800	\$ -	\$ 35,800	\$ 1,190,700	\$ -	\$ 1,190,700	
Retrocommissioning and Building Tune-Up	EE		\$ 296,100	\$ 819,100	\$ 424,100	\$ 135,200	\$ 1,584,500	\$ 3,241,800	\$ 4,826,300	
Combined Heat and Power	EE		\$ 179,600	\$ 202,200	\$ 126,200	\$ 139,500	\$ 847,500	\$ 4,000,000	\$ 4,847,500	
Commercial Midstream	EE		\$ 227,600	\$ 531,800	\$ 220,300	\$ 180,800	\$ 1,160,500	\$ 4,864,359	\$ 6,024,859	
Energy Efficient Communities	EE		\$ 222,200	\$ 622,000	\$ 196,200	\$ 105,000	\$ 1,145,400	\$ 2,392,820	\$ 3,498,320	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,138,100	\$ 12,559,800	\$ 2,866,200	\$ 1,983,600	\$ 19,847,700	\$ 63,933,779	\$ 73,481,479	
Commercial Building Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency and Conservation Subtotal			\$ 4,263,200	\$ 20,527,400	\$ 6,075,200	\$ 3,528,200	\$ 34,394,000	\$ 90,720,674	\$ 125,114,674	
Demand Response Programs										
Residential Demand Response Program			\$ 1,165,900	\$ 4,926,100	\$ -	\$ 3,389,500	\$ 423,200	\$ 9,904,700	\$ 11,252,505	\$ 21,157,205
Small Commercial Demand Response Program			\$ 180,800	\$ 239,000	\$ -	\$ 163,100	\$ 33,700	\$ 816,600	\$ 904,080	\$ 1,120,680
Demand Response Programs Subtotal			\$ 1,346,700	\$ 5,165,100	\$ -	\$ 3,552,600	\$ 456,900	\$ 10,721,300	\$ 11,756,585	\$ 22,277,885
Other Programs										
Conservation Voltage Reduction	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,346,700	\$ 5,165,100	\$ 4,263,200	\$ 20,527,400	\$ 9,627,800	\$ 3,985,100	\$ 44,915,300	\$ 102,477,289
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,346,700	\$ 5,165,100	\$ 4,263,200	\$ 20,527,400	\$ 9,627,800	\$ 3,985,100	\$ 44,915,300	\$ 102,477,289
Program Investigation Development and Design (PIDD)										
Energy Engineers			\$ 16,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 111,600	\$ -	\$ 111,600
Summer Energy Challenge			\$ 35,900	\$ 339,300	\$ 137,700	\$ 44,400	\$ 157,300	\$ 600,000	\$ 1,157,300	\$ -
Controlled Environment Agriculture			\$ 16,600	\$ 160,000	\$ -	\$ 18,000	\$ 194,600	\$ -	\$ 194,600	\$ -
PIDD Unidentified			\$ 113,700	\$ 1,040,700	\$ 612,300	\$ 100,900	\$ 1,867,600	\$ 150,000	\$ 2,017,600	\$ -
PIDD Programs Subtotal			\$ 82,800	\$ 1,540,000	\$ 750,000	\$ 750,000	\$ 258,300	\$ 2,731,100	\$ 750,000	\$ 3,481,100

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$32.6 Million for residential and \$0.88 million for commercial for 2026.

Table ES-3C Gross Middle Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 392,700	\$ 1,750,700	\$ 838,300	\$ 173,800	\$ 3,155,500	\$ 2,635,961	\$ 5,791,461	
Appliance Rebates	EE		\$ 285,200	\$ 1,475,200	\$ 423,300	\$ 136,300	\$ 2,320,000	\$ 2,222,765	\$ 4,542,765	
Appliance Recycling	EE		\$ 107,500	\$ 275,500	\$ 415,000	\$ 37,500	\$ 835,500	\$ 413,198	\$ 1,248,698	
Home Retrofits	EE		\$ 991,800	\$ 2,743,000	\$ 1,283,600	\$ 723,000	\$ 5,741,500	\$ 18,351,884	\$ 24,093,384	
Quick Home Energy Check-Up	EE		\$ 267,800	\$ 699,200	\$ 476,500	\$ 206,500	\$ 1,649,600	\$ 5,231,932	\$ 6,881,732	
Home Performance	EE		\$ 204,100	\$ 784,100	\$ 403,800	\$ 382,700	\$ 1,774,800	\$ 10,979,790	\$ 12,754,590	
HVAC Rebates	EE		\$ 277,600	\$ 1,209,300	\$ 403,200	\$ 103,700	\$ 1,993,800	\$ 1,460,250	\$ 3,454,050	
School and Education	EE		\$ 242,600	\$ 50,400	\$ -	\$ 30,100	\$ 323,100	\$ 679,912	\$ 1,003,012	
Residential New Construction	EE		\$ 54,200	\$ 243,000	\$ 287,300	\$ 50,500	\$ 675,000	\$ 1,006,250	\$ 1,681,250	
Efficiency for Affordable Housing	EE		\$ 123,200	\$ 1,578,700	\$ 679,800	\$ 531,200	\$ 2,912,800	\$ 14,792,800	\$ 17,705,700	
Behavioral	EE		\$ 483,100	\$ 1,652,200	\$ -	\$ 66,100	\$ 2,201,400	\$ -	\$ 2,201,400	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ 160,000	\$ -	\$ 160,000	
Residential Programs Subtotal	EE		\$ 2,125,100	\$ 7,967,600	\$ 3,209,600	\$ 1,544,600	\$ 14,846,300	\$ 36,786,895	\$ 51,633,195	
Energy Efficient Products	Electrification		\$ 60,000	\$ 205,600	\$ 90,000	\$ 14,300	\$ 359,900	\$ 115,737	\$ 475,637	
Appliance Rebates (Electrification)	Electrification		\$ 60,000	\$ 205,600	\$ 90,000	\$ 14,300	\$ 359,900	\$ 115,737	\$ 475,637	
Residential Electrification Programs Subtotal	Electrification		\$ 60,000	\$ 205,600	\$ 90,000	\$ 14,300	\$ 359,900	\$ 115,737	\$ 475,637	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 483,200	\$ 3,395,100	\$ 818,000	\$ 423,400	\$ 5,119,700	\$ 16,048,028	\$ 21,167,728	
Commercial Customer Engagement Portal	EE		\$ 115,000	\$ 815,900	\$ 120,000	\$ 32,600	\$ 1,083,500	\$ -	\$ 1,083,500	
Efficient Business Solutions	EE		\$ 910,500	\$ 6,992,800	\$ 1,385,800	\$ 1,102,300	\$ 10,391,100	\$ 26,668,472	\$ 37,059,572	
Prescriptive	EE		\$ 274,600	\$ 2,505,800	\$ 375,300	\$ 585,600	\$ 3,741,500	\$ 15,784,509	\$ 19,526,009	
Custom	EE		\$ 223,700	\$ 2,718,100	\$ 586,100	\$ 345,500	\$ 3,674,400	\$ 7,642,163	\$ 11,516,563	
Virtual Commissioning	EE		\$ 206,100	\$ 948,800	\$ -	\$ 35,800	\$ 1,190,700	\$ -	\$ 1,190,700	
Retrocommissioning and Building Tune-Up	EE		\$ 205,100	\$ 818,100	\$ 424,100	\$ 135,200	\$ 1,584,500	\$ 3,241,900	\$ 4,826,300	
Combined Heat and Power	EE		\$ 179,600	\$ 202,200	\$ 138,200	\$ 138,500	\$ 647,500	\$ 4,000,000	\$ 4,847,500	
Commercial Midstream	EE		\$ 227,600	\$ 531,800	\$ 220,300	\$ 180,800	\$ 1,160,500	\$ 4,864,359	\$ 6,024,859	
Energy Efficient Communities	EE		\$ 222,200	\$ 622,000	\$ 196,200	\$ 105,000	\$ 1,145,400	\$ 2,352,920	\$ 3,498,320	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 2,138,100	\$ 12,559,800	\$ 2,864,200	\$ 1,953,600	\$ 19,547,700	\$ 53,933,779	\$ 73,481,479	
Commercial Building Electrification	Electrification		\$ 150,000	\$ 550,000	\$ 175,000	\$ 100,100	\$ 975,100	\$ 2,360,255	\$ 3,335,355	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 150,000	\$ 550,000	\$ 175,000	\$ 100,100	\$ 975,100	\$ 2,360,255	\$ 3,335,355	
Energy Efficiency and Conservation Subtotal			\$ 4,463,200	\$ 21,283,000	\$ 6,340,200	\$ 3,642,600	\$ 35,729,000	\$ 93,196,646	\$ 128,925,666	
Demand Response Programs										
Residential Demand Response Program			\$ 1,165,900	\$ 4,926,100	\$ -	\$ 3,389,500	\$ 423,200	\$ 9,904,700	\$ 11,252,505	\$ 21,157,205
Small Commercial Demand Response Program			\$ 180,800	\$ 239,000	\$ -	\$ 183,100	\$ 33,700	\$ 616,600	\$ 504,080	\$ 1,120,680
Demand Response Programs Subtotal			\$ 1,346,700	\$ 5,165,100	\$ -	\$ 3,572,600	\$ 456,900	\$ 10,521,300	\$ 11,756,585	\$ 22,277,885
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,346,700	\$ 5,165,100	\$ 4,463,200	\$ 21,283,000	\$ 9,892,600	\$ 4,099,500	\$ 46,250,300	\$ 104,953,251
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,346,700	\$ 5,165,100	\$ 4,283,200	\$ 20,527,400	\$ 9,627,800	\$ 3,985,100	\$ 44,915,300	\$ 102,477,259
Program Investigation Development and Design (PIDO)			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Engineers			\$ 16,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 111,600	\$ -	\$ 111,600
Summer Energy Challenge			\$ 35,900	\$ 339,300	\$ 137,700	\$ 44,400	\$ 567,300	\$ 600,000	\$ 1,157,300	
Controlled Environment Agriculture			\$ 16,600	\$ 160,000	\$ 18,000	\$ -	\$ 194,600	\$ -	\$ 194,600	
PIDO Unidentified			\$ 113,700	\$ 1,040,700	\$ 612,300	\$ 100,900	\$ 1,867,600	\$ 150,000	\$ 2,017,600	
PIDO Programs Subtotal			\$ 182,800	\$ 1,540,000	\$ 760,000	\$ 760,000	\$ 254,300	\$ 2,791,100	\$ 750,000	\$ 3,481,100

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$32.6 Million for residential and \$0.88 Million for commercial for 2026.

Program Year: 2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 614,400	\$ 2,045,700	\$ 1,108,400	\$ 232,100	\$ 4,000,600	\$ 3,731,508	\$ 7,732,108	
Appliance Rebates	EE		\$ 445,200	\$ 1,770,200	\$ 571,400	\$ 185,900	\$ 2,973,700	\$ 3,219,705	\$ 6,193,405	
Appliance Recycling	EE		\$ 168,200	\$ 275,500	\$ 537,000	\$ 48,200	\$ 1,026,900	\$ 811,743	\$ 1,538,643	
Home Retrofits	EE		\$ 1,548,900	\$ 3,307,300	\$ 1,680,800	\$ 1,068,400	\$ 7,585,400	\$ 28,017,399	\$ 35,602,799	
Quick Home Energy Check-Up	EE		\$ 418,700	\$ 762,800	\$ 616,500	\$ 259,200	\$ 2,067,200	\$ 6,580,177	\$ 8,637,377	
Home Performance	EE		\$ 319,300	\$ 986,100	\$ 522,600	\$ 608,900	\$ 2,430,900	\$ 17,862,685	\$ 20,293,585	
HVAC Rebates	EE		\$ 434,500	\$ 1,511,700	\$ 521,700	\$ 156,100	\$ 2,624,000	\$ 2,576,425	\$ 5,200,425	
School and Education	EE		\$ 378,400	\$ 52,700	\$ -	\$ 44,200	\$ 473,300	\$ 998,112	\$ 1,471,412	
Residential New Construction	EE		\$ 147,300	\$ 254,000	\$ 371,800	\$ 69,400	\$ 942,500	\$ 1,469,750	\$ 2,312,250	
Efficiency for Affordable Housing	EE		\$ 203,100	\$ 2,266,000	\$ 1,019,700	\$ 2,201,100	\$ 5,689,900	\$ 67,878,000	\$ 73,367,900	
Behavioral	EE		\$ 756,000	\$ 1,770,200	\$ -	\$ 78,200	\$ 2,604,400	\$ -	\$ 2,604,400	
DHCD Cross Promotion	EE		\$ 40,000	\$ -	\$ 120,000	\$ -	\$ -	\$ 160,000	\$ -	\$ 160,000
Residential Programs Subtotal	EE		\$ 3,399,700	\$ 9,643,200	\$ 4,280,700	\$ 3,649,200	\$ 20,882,800	\$ 100,896,657	\$ 121,779,457	
Energy Efficient Products	Electrification		\$ 82,200	\$ 205,600	\$ 90,000	\$ 15,300	\$ 393,100	\$ 115,737	\$ 508,837	
Appliance Rebates (Electrification)	Electrification		\$ 82,200	\$ 205,600	\$ 90,000	\$ 15,300	\$ 393,100	\$ 115,737	\$ 508,837	
Residential Electrification Programs Subtotal	Electrification		\$ 82,200	\$ 205,600	\$ 90,000	\$ 15,300	\$ 393,100	\$ 115,737	\$ 508,837	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 750,100	\$ 3,773,500	\$ 1,003,800	\$ 925,600	\$ 6,453,000	\$ 39,824,692	\$ 46,277,692	
Commercial Customer Engagement Portal	EE		\$ 170,700	\$ 815,900	\$ 120,000	\$ 34,300	\$ 1,140,900	\$ -	\$ 1,140,900	
Efficient Business Solutions	EE		\$ 1,413,200	\$ 9,072,800	\$ 1,829,400	\$ 2,552,800	\$ 14,868,200	\$ 70,878,477	\$ 85,546,677	
Prescriptive	EE		\$ 426,200	\$ 3,162,200	\$ 480,300	\$ 1,263,400	\$ 5,352,100	\$ 36,760,170	\$ 42,112,270	
Custom	EE		\$ 347,200	\$ 3,097,200	\$ 750,200	\$ 1,030,800	\$ 5,225,400	\$ 28,133,969	\$ 34,358,469	
Virtual Commissioning	EE		\$ 319,900	\$ 1,769,600	\$ -	\$ 64,700	\$ 2,154,200	\$ -	\$ 2,154,200	
Retrocommissioning and Building Tune-Up	EE		\$ 319,900	\$ 1,023,800	\$ 598,900	\$ 193,900	\$ 2,136,500	\$ 4,785,238	\$ 6,921,738	
Combined Heat and Power	EE		\$ 278,800	\$ 202,200	\$ 161,500	\$ 143,600	\$ 796,100	\$ 4,000,000	\$ 4,786,100	
Commercial Midstream	EE		\$ 353,300	\$ 815,400	\$ 281,900	\$ 217,400	\$ 1,668,000	\$ 5,578,081	\$ 7,246,081	
Energy Efficient Communities	EE		\$ 344,900	\$ 710,900	\$ 251,200	\$ 187,300	\$ 1,494,300	\$ 4,748,916	\$ 6,243,216	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 3,311,000	\$ 15,390,700	\$ 3,647,800	\$ 4,961,000	\$ 26,410,500	\$ 124,835,168	\$ 151,240,668	
Commercial Building Electrification	Electrification		\$ 246,500	\$ 550,000	\$ 175,000	\$ 103,100	\$ 1,074,600	\$ 2,360,255	\$ 3,434,855	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 246,500	\$ 550,000	\$ 175,000	\$ 103,100	\$ 1,074,600	\$ 2,360,255	\$ 3,434,855	
Energy Efficiency and Conservation Subtotal			\$ 6,949,400	\$ 25,789,500	\$ 8,193,500	\$ 7,828,600	\$ 48,761,000	\$ 228,262,815	\$ 276,963,815	
Demand Response Programs										
Residential Demand Response Program			\$ 1,165,900	\$ 4,926,100		\$ 3,389,500	\$ 423,200	\$ 9,904,700	\$ 11,252,506	\$ 21,157,206
Small Commercial Demand Response Program			\$ 180,800	\$ 239,000		\$ 183,100	\$ 33,700	\$ 616,600	\$ 504,080	\$ 1,120,680
Demand Response Programs Subtotal			\$ 1,346,700	\$ 5,165,100	\$ -	\$ 3,572,600	\$ 456,900	\$ 10,521,300	\$ 11,756,586	\$ 22,277,886
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 1,346,700	\$ 5,165,100	\$ 6,949,400	\$ 25,789,500	\$ 11,746,100	\$ 8,285,600	\$ 69,282,300	\$ 239,959,400
Total Plan EE and DR Only (Exclude Electrification)			\$ 1,346,700	\$ 5,165,100	\$ 6,620,700	\$ 25,033,900	\$ 11,481,100	\$ 8,167,100	\$ 67,814,600	\$ 237,483,400
Program Investigation Development and Design (PIDO)										\$ 295,296,008
Energy Engineers			\$ 24,600	\$ -	\$ -	\$ -	\$ 95,000	\$ 119,600	\$ -	\$ 119,600
Summer Energy Challenge			\$ 53,200	\$ 339,300	\$ 137,700	\$ 44,400	\$ 574,600	\$ 600,000	\$ 1,174,600	
Controlled Environment Agriculture			\$ 24,800	\$ -	\$ 160,000	\$ -	\$ -	\$ 202,600	\$ -	\$ 202,600
PIDD Unidentified			\$ 168,700	\$ 1,040,700	\$ 612,300	\$ 103,800	\$ 1,925,500	\$ 150,000	\$ 2,075,500	
PIDD Programs Subtotal			\$ 271,100	\$ 1,540,000	\$ 790,000	\$ 261,200	\$ 2,822,300	\$ 780,000	\$ 3,872,300	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$32.6 Million for residential and \$0.88 Million for commercial for 2026.

Table ES-3D Gross 2023 Scenario											
EmPOWER Maryland 2024-2026 Scenario Budgets											
Program Year: 2024-2026	Program Category (EE vs Electrification)		Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs											
Residential EE&C Programs											
Energy Efficient Products	EE		\$ 1,119,200	\$ 4,995,600	\$ 2,385,900	\$ 496,000	\$ 8,998,700	\$ 7,593,323	\$ 16,592,023		
Appliance Rebates	EE		\$ 812,800	\$ 4,209,400	\$ 1,204,700	\$ 389,200	\$ 6,616,100	\$ 6,353,735	\$ 12,969,835		
Appliance Recycling	EE		\$ 306,400	\$ 786,200	\$ 1,181,200	\$ 108,800	\$ 2,382,600	\$ 1,239,588	\$ 3,622,188		
Home Retrofit	EE		\$ 2,827,000	\$ 7,827,200	\$ 3,653,300	\$ 2,136,300	\$ 16,446,400	\$ 54,816,286	\$ 71,266,686		
Quick Home Energy Check-Up	EE		\$ 762,800	\$ 1,995,100	\$ 1,356,200	\$ 626,000	\$ 4,739,900	\$ 16,121,443	\$ 20,861,343		
Home Performance	EE		\$ 581,700	\$ 2,237,500	\$ 1,149,500	\$ 1,125,400	\$ 5,094,100	\$ 32,415,162	\$ 37,509,262		
HVAC Rebates	EE		\$ 791,200	\$ 3,450,800	\$ 1,147,600	\$ 297,800	\$ 5,687,400	\$ 4,233,925	\$ 9,921,325		
School and Education	EE		\$ 692,100	\$ 143,800	\$ -	\$ 89,100	\$ 925,000	\$ 2,039,736	\$ 2,964,736		
Residential New Construction	EE		\$ 268,400	\$ 693,400	\$ 817,800	\$ 142,700	\$ 1,922,300	\$ 2,889,850	\$ 4,752,150		
Efficiency for Affordable Housing	EE		\$ 351,400	\$ 4,632,200	\$ 1,939,800	\$ 1,298,600	\$ 8,210,000	\$ 34,671,415	\$ 42,881,415		
Behavioral	EE		\$ 1,376,800	\$ 4,714,400	\$ -	\$ -	\$ 6,279,800	\$ -	\$ 6,279,800		
DHCD Cross Promotion	EE		\$ 120,000	\$ -	\$ 360,000	\$ -	\$ 480,000	\$ -	\$ 480,000		
Residential Programs Subtotal	EE		\$ 6,063,400	\$ 22,862,800	\$ 9,156,800	\$ 4,254,200	\$ 42,337,200	\$ 99,904,854	\$ 142,242,054		
Energy Efficient Products	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Appliance Rebates (Electrification)	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Residential Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Commercial and Industrial EE&C Programs											
Small Business	EE		\$ 1,378,800	\$ 9,658,600	\$ 2,334,000	\$ 1,255,600	\$ 14,627,000	\$ 48,144,084	\$ 62,771,084		
Commercial Customer Engagement Portal	EE		\$ 345,000	\$ 2,447,700	\$ 360,000	\$ 97,800	\$ 3,250,500	\$ -	\$ 3,250,500		
Efficient Business Solutions	EE		\$ 2,588,000	\$ 19,973,700	\$ 3,924,200	\$ 3,163,200	\$ 29,599,100	\$ 74,764,274	\$ 104,363,374		
Prescriptive	EE		\$ 783,600	\$ 7,120,900	\$ 1,070,800	\$ 1,667,000	\$ 10,642,300	\$ 44,520,733	\$ 55,563,033		
Custom	EE		\$ 638,200	\$ 7,732,500	\$ 1,672,400	\$ 940,400	\$ 10,983,500	\$ 20,360,741	\$ 31,344,241		
Virtual Commissioning	EE		\$ 588,100	\$ 2,783,100	\$ -	\$ 104,500	\$ 3,475,700	\$ -	\$ 3,475,700		
Retrocommissioning and Building Tune-Up	EE		\$ 588,100	\$ 2,337,200	\$ 1,181,000	\$ 391,300	\$ 4,467,500	\$ 9,472,800	\$ 13,970,400		
Combined Heat and Power	EE		\$ 512,600	\$ 575,500	\$ 360,100	\$ 416,100	\$ 1,864,300	\$ 12,000,000	\$ 13,864,300		
Commercial Midstream	EE		\$ 649,500	\$ 1,517,500	\$ 628,600	\$ 532,700	\$ 3,328,300	\$ 14,425,077	\$ 17,753,377		
Energy Efficient Communities	EE		\$ 634,000	\$ 1,774,900	\$ 559,900	\$ 284,000	\$ 3,252,800	\$ 6,210,015	\$ 9,462,815		
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 6,117,900	\$ 35,847,900	\$ 8,166,800	\$ 5,689,400	\$ 55,922,000	\$ 155,533,450	\$ 211,455,450		
Commercial Building Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Energy Efficiency and Conservation Subtotal					\$ 12,181,300	\$ 58,810,700	\$ 17,323,600	\$ 9,943,600	\$ 98,269,200	\$ 255,438,304	\$ 353,697,504
Demand Response Programs											
Residential Demand Response Program			\$ 3,353,300	\$ 14,232,400	\$ -	\$ 8,730,500	\$ 1,245,500	\$ 28,561,700	\$ 33,707,515	\$ 62,269,215	
Small Commercial Demand Response Program			\$ 515,900	\$ 681,900	\$ -	\$ 465,300	\$ 98,300	\$ 1,761,400	\$ 1,512,240	\$ 3,273,640	
Demand Response Programs Subtotal			\$ 3,869,200	\$ 14,914,300	\$ -	\$ 9,195,800	\$ 1,343,800	\$ 30,323,100	\$ 35,219,755	\$ 65,542,855	
Other Programs											
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
EmPOWER Maryland Portfolio Total											
All Program Total			\$ 3,869,200	\$ 14,914,300	\$ 12,181,300	\$ 58,810,700	\$ 27,519,400	\$ 11,287,400	\$ 128,582,300	\$ 290,658,059	\$ 419,240,359
Total Plan EE and DR Only (Exclude Electrification)			\$ 3,869,200	\$ 14,914,300	\$ 12,181,300	\$ 58,810,700	\$ 27,519,400	\$ 11,287,400	\$ 128,582,300	\$ 290,658,059	\$ 419,240,359
Program Investigation Development and Design (PIDD)											
Energy Engineers			\$ 50,900	\$ -	\$ -	\$ -	\$ 290,000	\$ 340,900	\$ -	\$ 340,900	
Summer Energy Challenge			\$ 111,800	\$ 1,123,200	\$ 433,800	\$ 138,400	\$ 1,807,200	\$ 1,800,000	\$ 3,607,200	\$ 200,000	
Controlled Environment Agriculture			\$ 49,800	\$ 560,000	\$ -	\$ 56,000	\$ 665,800	\$ -	\$ 665,800	\$ 65,000	
PIDD Unidentified			\$ 319,300	\$ 2,936,800	\$ 1,816,200	\$ 290,700	\$ 5,363,000	\$ 450,000	\$ 5,813,000	\$ 500,000	
PIDD Programs Subtotal			\$ 531,800	\$ 4,620,000	\$ 2,250,000	\$ 425,100	\$ 7,716,000	\$ 1,876,900	\$ 2,290,000	\$ 10,426,900	

*The ES Tables presented above do not include Pepco's funding allocation of CHCD's budget, approximately \$69.2 Million for residential and \$2.3 Million for commercial for 2024-2026.

Table ES-3D Gross Middle Scenario EmPOWER Maryland 2024-2026 Scenario Budgets										
Program Year: 2024-2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 1,119,200	\$ 4,995,600	\$ 2,385,900	\$ 498,000	\$ 8,998,700	\$ 7,593,323	\$ 16,592,023	
Appliance Rebates	EE		\$ 612,600	\$ 4,209,400	\$ 1,204,700	\$ 389,200	\$ 6,616,100	\$ 6,353,735	\$ 12,969,835	
Appliance Recycling	EE		\$ 306,400	\$ 789,200	\$ 1,181,200	\$ 108,800	\$ 2,382,600	\$ 1,239,888	\$ 3,622,188	
Home Retrofits	EE		\$ 2,827,600	\$ 7,827,200	\$ 3,653,300	\$ 2,138,300	\$ 16,446,400	\$ 54,810,266	\$ 71,256,666	
Quick Home Energy Check-Up	EE		\$ 762,600	\$ 1,995,100	\$ 1,356,200	\$ 626,000	\$ 4,739,900	\$ 16,121,443	\$ 20,861,343	
Home Performance	EE		\$ 681,700	\$ 2,237,500	\$ 1,149,800	\$ 1,126,400	\$ 5,094,100	\$ 32,415,162	\$ 37,509,262	
HVAC Rebates	EE		\$ 791,200	\$ 3,450,800	\$ 1,147,600	\$ 297,800	\$ 5,687,400	\$ 4,233,925	\$ 9,921,325	
School and Education	EE		\$ 892,100	\$ 143,800	\$ -	\$ 89,100	\$ 925,000	\$ 2,039,736	\$ 2,964,736	
Residential New Construction	EE		\$ 268,400	\$ 693,400	\$ 817,800	\$ 142,700	\$ 1,922,300	\$ 2,629,860	\$ 4,752,160	
Efficiency for Affordable Housing	EE		\$ 351,400	\$ 4,632,200	\$ 1,939,800	\$ 1,286,600	\$ 8,210,000	\$ 34,671,415	\$ 42,881,415	
Behavioral	EE		\$ 1,376,800	\$ 4,714,400	\$ -	\$ 188,600	\$ 6,279,800	\$ -	\$ 6,279,800	
DHCD Cross Promotion	EE		\$ 120,000	\$ -	\$ 360,000	\$ -	\$ 480,000	\$ -	\$ 480,000	
Residential Programs Subtotal	EE		\$ 6,063,400	\$ 22,862,800	\$ 9,156,800	\$ 4,254,200	\$ 42,337,200	\$ 89,904,854	\$ 142,242,054	
Energy Efficient Products										
Appliance Rebates (Electrification)	Electrification		\$ 156,000	\$ 585,600	\$ 270,000	\$ 38,200	\$ 1,049,800	\$ 217,316	\$ 1,267,116	
Residential Electrification Programs Subtotal	Electrification		\$ 156,000	\$ 585,600	\$ 270,000	\$ 38,200	\$ 1,049,800	\$ 217,316	\$ 1,267,116	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 1,378,800	\$ 9,658,800	\$ 2,334,000	\$ 1,255,600	\$ 14,627,000	\$ 48,144,084	\$ 62,771,084	
Commercial Customer Engagement Portal	EE		\$ 345,000	\$ 2,447,700	\$ 360,000	\$ 97,800	\$ 3,250,500	\$ -	\$ 3,250,500	
Efficient Business Solutions	EE		\$ 2,998,000	\$ 19,973,700	\$ 3,924,200	\$ 3,103,200	\$ 29,999,100	\$ 74,764,274	\$ 104,353,374	
Prescriptive	EE		\$ 783,600	\$ 7,120,900	\$ 1,070,600	\$ 1,667,000	\$ 10,642,300	\$ 44,920,733	\$ 55,563,033	
Custom	EE		\$ 638,200	\$ 7,732,900	\$ 1,672,400	\$ 840,400	\$ 10,983,500	\$ 20,360,741	\$ 31,344,241	
Virtual Commissioning	EE		\$ 588,100	\$ 2,783,100	\$ -	\$ 104,500	\$ 3,475,700	\$ -	\$ 3,475,700	
Retrocommissioning and Building Tune-Up	EE		\$ 368,100	\$ 2,337,200	\$ 1,181,000	\$ 391,300	\$ 4,469,600	\$ 9,472,900	\$ 13,970,400	
Combined Heat and Power	EE		\$ 512,600	\$ 675,500	\$ 360,100	\$ 416,100	\$ 1,964,300	\$ 12,000,000	\$ 13,964,300	
Commercial Midstream	EE		\$ 649,500	\$ 1,517,500	\$ 628,600	\$ 532,700	\$ 3,328,300	\$ 14,425,077	\$ 17,753,377	
Energy Efficient Communities	EE		\$ 634,000	\$ 1,774,900	\$ 559,900	\$ 284,000	\$ 3,252,800	\$ 6,210,015	\$ 9,462,815	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 6,117,800	\$ 36,947,900	\$ 8,166,800	\$ 6,689,400	\$ 65,392,900	\$ 165,533,450	\$ 211,435,450	
Commercial Building Electrification	Electrification		\$ 450,000	\$ 1,400,000	\$ 625,000	\$ 212,900	\$ 2,687,900	\$ 4,504,591	\$ 7,092,491	
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 450,000	\$ 1,400,000	\$ 625,000	\$ 212,900	\$ 2,687,900	\$ 4,504,591	\$ 7,092,491	
Energy Efficiency and Conservation Subtotal			\$ 12,787,300	\$ 60,796,300	\$ 18,118,600	\$ 10,194,700	\$ 101,896,900	\$ 260,160,211	\$ 362,057,111	
Demand Response Programs										
Residential Demand Response Program			\$ 3,353,300	\$ 14,232,400		\$ 9,730,500	\$ 1,245,500	\$ 28,561,700	\$ 33,707,515	\$ 62,269,215
Small Commercial Demand Response Program			\$ 515,900	\$ 681,900		\$ 465,300	\$ 98,300	\$ 1,761,400	\$ 1,512,240	\$ 3,273,640
Demand Response Programs Subtotal			\$ 3,869,200	\$ 14,914,300	\$ -	\$ 10,195,800	\$ 1,343,800	\$ 30,323,100	\$ 35,219,755	\$ 65,542,855
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 3,869,200	\$ 14,914,300	\$ 12,787,300	\$ 60,796,300	\$ 28,314,400	\$ 11,538,600	\$ 132,220,000	\$ 295,379,966
Total Plan EE and DR Only (Exclude Electrification)			\$ 3,869,200	\$ 14,914,300	\$ 12,181,300	\$ 68,810,700	\$ 27,819,400	\$ 11,287,400	\$ 128,682,300	\$ 290,658,059
Program Investigation Development and Design (PIDO)										\$ 419,240,359
Energy Engineers			\$ 50,900	\$ -	\$ -	\$ 290,000	\$ 340,900	\$ -	\$ 340,900	
Summer Energy Challenge			\$ 111,800	\$ 1,123,200	\$ 433,800	\$ 138,400	\$ 1,807,200	\$ 1,800,000	\$ 3,607,200	
Controlled Environment Agriculture			\$ 49,800	\$ 580,500	\$ 50,000	\$ 560,000	\$ -	\$ -	\$ 665,800	
PIDO Unidentified			\$ 319,300	\$ 2,936,800	\$ 1,816,200	\$ 290,700	\$ 5,363,000	\$ 450,000	\$ 5,813,000	
PIDO Programs Subtotal			\$ 831,800	\$ 4,626,000	\$ 2,280,000	\$ 775,100	\$ 8,176,900	\$ 2,250,000	\$ 10,426,900	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$69.2 Million for residential and \$2.3 Million for commercial for 2024-2026.

Program Year: 2024-2026	Program Category (EE vs Electrification)	Operations and Maintenance Costs*	Capital Costs*	Utility Administration Costs	Outside Services	Marketing Cost	Evaluation Monitoring and Verification Costs	Total Non-Incentive Costs	Customer Incentives	Total Program Costs
Energy Efficiency and Conservation Programs										
Residential EE&C Programs										
Energy Efficient Products	EE		\$ 1,762,200	\$ 5,837,400	\$ 3,156,800	\$ 678,500	\$ 11,424,600	\$ 11,179,524	\$ 22,604,124	
Appliance Rebates	EE		\$ 1,272,500	\$ 5,051,200	\$ 1,627,300	\$ 544,400	\$ 8,495,400	\$ 8,644,265	\$ 18,139,665	
Appliance Recycling	EE		\$ 479,700	\$ 786,200	\$ 1,529,200	\$ 134,100	\$ 2,929,200	\$ 1,535,229	\$ 4,464,429	
Home Retrofits	EE		\$ 4,417,700	\$ 9,437,200	\$ 4,729,900	\$ 3,104,300	\$ 21,689,100	\$ 81,765,853	\$ 103,454,953	
Quick Home Energy Check-Up	EE		\$ 1,194,000	\$ 2,176,500	\$ 1,755,800	\$ 745,900	\$ 5,872,200	\$ 18,986,299	\$ 24,858,499	
Home Performance	EE		\$ 910,800	\$ 2,796,800	\$ 1,488,300	\$ 1,780,400	\$ 6,976,100	\$ 52,365,555	\$ 59,341,655	
HVAC Rebates	EE		\$ 1,238,900	\$ 4,313,500	\$ 1,485,800	\$ 447,400	\$ 7,485,600	\$ 7,419,663	\$ 14,905,263	
School and Education	EE		\$ 1,074,200	\$ 150,400	\$ -	\$ 130,800	\$ 1,355,200	\$ 2,994,336	\$ 4,349,536	
Residential New Construction	EE		\$ 420,000	\$ 724,800	\$ 1,058,800	\$ 192,900	\$ 2,396,500	\$ 4,028,325	\$ 6,424,825	
Efficiency for Affordable Housing	EE		\$ 579,600	\$ 6,486,000	\$ 2,909,700	\$ 5,540,900	\$ 15,496,200	\$ 168,195,000	\$ 184,691,200	
Behavioral	EE		\$ 2,155,700	\$ 5,051,200	\$ -	\$ 223,100	\$ 7,430,000	\$ -	\$ 7,430,000	
DHCD Cross Promotion	EE		\$ 120,000	\$ -	\$ 360,000	\$ -	\$ -	\$ 480,000	\$ -	\$ 480,000
Residential Programs Subtotal	EE		\$ 9,445,200	\$ 27,516,600	\$ 12,214,800	\$ 9,739,700	\$ 58,916,400	\$ 266,168,762	\$ 326,085,162	
Energy Efficient Products										
Appliance Rebates (Electrification)	Electrification		\$ 256,400	\$ 585,600	\$ 270,000	\$ 41,300	\$ 1,153,300	\$ 217,316	\$ 1,370,616	
Residential Electrification Programs Subtotal	Electrification		\$ 256,400	\$ 585,600	\$ 270,000	\$ 41,300	\$ 1,153,300	\$ 217,316	\$ 1,370,616	
Commercial and Industrial EE&C Programs										
Small Business	EE		\$ 2,140,300	\$ 10,738,400	\$ 2,864,400	\$ 2,759,700	\$ 18,502,800	\$ 119,474,076	\$ 137,976,876	
Commercial Customer Engagement Portal	EE		\$ 512,100	\$ 2,447,700	\$ 360,000	\$ 102,900	\$ 3,422,700	\$ -	\$ 3,422,700	
Efficient Business Solutions	EE		\$ 4,032,400	\$ 25,915,800	\$ 5,190,900	\$ 7,174,700	\$ 42,313,800	\$ 198,154,018	\$ 240,467,818	
Prescriptive	EE		\$ 1,216,400	\$ 8,051,100	\$ 1,370,700	\$ 3,635,000	\$ 15,273,200	\$ 105,689,305	\$ 121,162,505	
Custom	EE		\$ 860,600	\$ 8,811,400	\$ 2,140,600	\$ 2,792,500	\$ 14,795,100	\$ 78,344,020	\$ 93,079,120	
Virtual Commissioning	EE		\$ 912,700	\$ 5,131,900	\$ -	\$ 187,100	\$ 6,231,700	\$ -	\$ 6,231,700	
Retrocommissioning and Building Tune-Up	EE		\$ 912,700	\$ 2,921,400	\$ 1,679,800	\$ 588,100	\$ 6,073,800	\$ 13,920,092	\$ 19,994,892	
Combined Heat and Power	EE		\$ 756,700	\$ 575,500	\$ 460,900	\$ 427,900	\$ 2,580,000	\$ 12,000,000	\$ 14,250,000	
Commercial Midstream	EE		\$ 1,008,100	\$ 2,326,700	\$ 804,400	\$ 638,900	\$ 4,776,100	\$ 16,514,243	\$ 21,292,343	
Energy Efficient Communities	EE		\$ 984,300	\$ 2,028,500	\$ 716,700	\$ 515,500	\$ 4,245,000	\$ 12,935,265	\$ 17,180,265	
Commercial and Industrial EE&C Programs Subtotal	EE		\$ 9,472,800	\$ 44,032,800	\$ 10,397,300	\$ 11,619,600	\$ 75,522,400	\$ 389,877,662	\$ 434,800,062	
Commercial Building Electrification										
Commercial and Industrial Electrification Programs Subtotal	Electrification		\$ 739,500	\$ 1,400,000	\$ 625,000	\$ 221,900	\$ 2,886,400	\$ 4,504,591	\$ 7,390,991	
Energy Efficiency and Conservation Subtotal			\$ 19,914,000	\$ 73,534,800	\$ 23,467,200	\$ 21,622,500	\$ 138,478,800	\$ 629,948,211	\$ 768,446,711	
Demand Response Programs										
Residential Demand Response Program			\$ 3,353,300	\$ 14,232,400		\$ 9,730,500	\$ 1,245,500	\$ 28,561,700	\$ 33,707,515	\$ 62,269,215
Small Commercial Demand Response Program			\$ 515,900	\$ 681,900		\$ 485,300	\$ 98,300	\$ 1,761,400	\$ 1,512,249	\$ 3,273,649
Demand Response Programs Subtotal			\$ 3,869,200	\$ 14,914,300	\$ -	\$ -	\$ 10,195,800	\$ 1,343,800	\$ 30,323,100	\$ 65,542,865
Other Programs										
Conservation Voltage Reduction			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total										
All Program Total			\$ 3,869,200	\$ 14,914,300	\$ 19,914,000	\$ 73,534,800	\$ 33,603,000	\$ 22,966,300	\$ 168,801,600	\$ 665,187,966
Total Plan EE and DR Only (Exclude Electrification)			\$ 3,869,200	\$ 14,914,300	\$ 18,918,100	\$ 71,549,200	\$ 32,808,000	\$ 22,703,100	\$ 164,761,900	\$ 660,466,059
Program Investigation Development and Design (PIDO)										
Energy Engineers			\$ 75,500	\$ -	\$ -	\$ 290,000	\$ 365,500	\$ -	\$ 365,500	
Summer Energy Challenge			\$ 165,700	\$ 1,123,200	\$ 433,800	\$ 138,400	\$ 1,861,100	\$ 1,800,000	\$ 3,661,100	
Controlled Environment Agriculture			\$ 73,800	\$ 560,000	\$ -	\$ 689,800	\$ -	\$ -	\$ 689,800	
PIDO Unidentified			\$ 473,800	\$ 2,936,800	\$ 1,816,200	\$ 298,900	\$ 5,525,700	\$ 450,000	\$ 5,975,700	
PIDO Programs Subtotal			\$ 788,800	\$ 4,626,000	\$ 2,250,000	\$ 785,300	\$ 8,442,100	\$ 2,250,000	\$ 10,692,100	

*The ES Tables presented above do not include Pepco's funding allocation of DHCD's budget, approximately \$69.2 Million for residential and \$2.3 Million for commercial for 2024-2026.

Table ES-4 2023 Scenario EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Plan and Programmatic Cost Effectiveness for 2024-2026 - NPV for Costs and Benefits																
	Program Category (EE vs Electrification)	MO Jurisdictional Specific Test (MJST)			All Ratepayers Test (TRC)			Utility/Administrator Test			Participants Test			Ratepayer Impact Test (RIM)		
		NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio
Energy Efficiency and Conservation Programs																
Residential EE&C Programs																
Energy Efficient Products	EE	\$ (27,719)	\$ 39,081	1.41	\$ (26,653)	\$ 16,967	0.64	\$ (15,928)	\$ 12,462	0.78	\$ (17,654)	\$ 33,407	1.89	\$ (37,914)	\$ 12,462	0.33
Appliance Rebates	EE	\$ (24,197)	\$ 32,538	1.34	\$ (23,195)	\$ 14,219	0.61	\$ (12,412)	\$ 9,714	0.78	\$ (16,579)	\$ 28,046	1.69	\$ (30,170)	\$ 9,714	0.32
Appliance Recycling	EE	\$ (3,522)	\$ 6,543	1.86	\$ (3,457)	\$ 2,747	0.79	\$ (3,516)	\$ 2,747	0.78	\$ (1,075)	\$ 5,361	4.99	\$ (7,744)	\$ 2,747	0.35
Home Retrofits	EE	\$ (69,476)	\$ 113,739	1.41	\$ (76,883)	\$ 53,953	0.70	\$ (66,545)	\$ 36,088	0.54	\$ (60,437)	\$ 129,089	1.99	\$ (119,621)	\$ 36,088	0.30
Quick Home Energy Check-Up	EE	\$ (19,654)	\$ 34,346	1.75	\$ (18,898)	\$ 13,088	0.69	\$ (19,490)	\$ 12,584	0.65	\$ (14,129)	\$ 37,343	2.64	\$ (41,581)	\$ 12,584	0.30
Home Performance	EE	\$ (47,648)	\$ 49,661	1.04	\$ (45,219)	\$ 26,293	0.58	\$ (34,711)	\$ 14,826	0.43	\$ (40,125)	\$ 58,279	1.45	\$ (52,393)	\$ 14,826	0.28
HVAC Rebates	EE	\$ (10,373)	\$ 16,007	1.54	\$ (10,102)	\$ 9,899	0.98	\$ (9,554)	\$ 4,003	0.42	\$ (4,415)	\$ 13,375	3.03	\$ (13,631)	\$ 4,003	0.29
School and Education	EE	\$ (2,800)	\$ 13,724	4.90	\$ (2,693)	\$ 4,674	1.74	\$ (2,790)	\$ 4,674	1.68	\$ (1,768)	\$ 11,092	6.27	\$ (12,017)	\$ 4,674	0.39
Residential New Construction	EE	\$ (5,386)	\$ 11,650	2.16	\$ (5,186)	\$ 5,581	1.08	\$ (4,504)	\$ 3,394	0.75	\$ (3,264)	\$ 9,025	2.77	\$ (8,874)	\$ 3,394	0.38
Efficiency for Affordable Housing	EE	\$ (40,520)	\$ 26,021	0.64	\$ (38,481)	\$ 14,508	0.38	\$ (39,505)	\$ 7,612	0.19	\$ (30,271)	\$ 48,876	1.61	\$ (50,842)	\$ 7,612	0.15
Behavioral	EE	\$ (6,280)	\$ 24,839	3.96	\$ (6,280)	\$ 11,286	1.80	\$ (6,280)	\$ 11,279	1.80	\$ (0)	\$ 15,699	N/A	\$ (21,979)	\$ 11,279	0.51
DHCD Cross Promotion	EE	\$ (480)	\$ -	0.00	\$ (480)	\$ -	0.00	\$ (480)	\$ -	0.00	\$ -	\$ -	0.00	\$ (480)	\$ -	0.00
Residential Programs Subtotal	EE	\$ (160,889)	\$ 215,329	1.34	\$ (163,962)	\$ 102,294	0.62	\$ (133,242)	\$ 70,835	0.53	\$ (111,625)	\$ 227,095	2.03	\$ (238,708)	\$ 70,835	0.30
Energy Efficient Products	Electrification	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00
Appliance Rebates (Electrification)	Electrification	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00
Residential Electrification Programs Subtotal	Electrification	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00
Commercial and Industrial EE&C Programs																
Small Business	EE	\$ (63,802)	\$ 149,214	2.34	\$ (61,006)	\$ 57,722	0.95	\$ (58,643)	\$ 57,722	0.98	\$ (46,379)	\$ 116,359	2.51	\$ (130,986)	\$ 57,722	0.44
Commercial Customer Engagement Portal	EE	\$ (3,251)	\$ 524	0.16	\$ (3,251)	\$ 214	0.07	\$ (3,251)	\$ 214	0.07	\$ -	\$ -	N/A	\$ (3,536)	\$ 214	0.06
Efficient Business Solutions	EE	\$ (127,747)	\$ 457,065	3.58	\$ (122,018)	\$ 203,916	1.67	\$ (97,748)	\$ 203,916	2.09	\$ (92,419)	\$ 297,706	2.79	\$ (287,306)	\$ 203,916	0.71
Prescriptive	EE	\$ (61,641)	\$ 187,062	3.03	\$ (58,694)	\$ 72,867	1.24	\$ (51,616)	\$ 72,867	1.41	\$ (48,052)	\$ 130,479	2.72	\$ (141,121)	\$ 72,867	0.52
Custom	EE	\$ (49,401)	\$ 227,976	4.61	\$ (47,122)	\$ 115,835	2.46	\$ (29,508)	\$ 115,835	3.93	\$ (36,139)	\$ 94,852	2.62	\$ (105,835)	\$ 115,835	1.09
Virtual Commissioning	EE	\$ (3,511)	\$ 5,621	1.60	\$ (3,509)	\$ 2,256	0.64	\$ (3,476)	\$ 2,256	0.65	\$ (33)	\$ 2,939	88.04	\$ (6,415)	\$ 2,256	0.35
Retrocommissioning and Building Tune-Up	EE	\$ (13,194)	\$ 36,406	2.76	\$ (12,692)	\$ 12,959	1.02	\$ (13,148)	\$ 12,959	0.99	\$ (8,195)	\$ 29,437	3.59	\$ (33,934)	\$ 12,959	0.38
Combined Heat and Power	EE	\$ (17,623)	\$ 160,777	9.12	\$ (16,727)	\$ 53,133	3.18	\$ (12,835)	\$ 53,133	4.14	\$ (14,863)	\$ 85,682	5.76	\$ (87,546)	\$ 53,133	0.61
Commercial Midstream	EE	\$ (57,916)	\$ 157,071	2.71	\$ (54,612)	\$ 57,700	1.05	\$ (16,509)	\$ 57,700	3.46	\$ (51,484)	\$ 92,059	1.79	\$ (95,387)	\$ 57,700	0.60
Energy Efficient Communities	EE	\$ (12,764)	\$ 19,398	1.52	\$ (12,221)	\$ 7,512	0.61	\$ (8,892)	\$ 7,512	0.84	\$ (8,968)	\$ 15,089	1.68	\$ (18,342)	\$ 7,512	0.41
Commercial and Industrial EE&C Programs Subtotal	EE	\$ (283,102)	\$ 944,049	3.33	\$ (270,034)	\$ 380,198	1.41	\$ (197,878)	\$ 380,198	1.92	\$ (214,112)	\$ 566,895	2.65	\$ (623,103)	\$ 380,198	0.61
Commercial Building Electrification	Electrification	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00
Commercial and Industrial Electrification Programs Subtotal	Electrification	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00
Energy Efficiency and Conservation Subtotal		\$ (443,962)	\$ 1,169,379	2.61	\$ (423,996)	\$ 482,492	1.14	\$ (331,120)	\$ 451,033	1.36	\$ (325,737)	\$ 793,991	2.44	\$ (862,812)	\$ 451,033	0.52
Demand Response Programs																
Residential Demand Response Program		\$ (28,577)	\$ 68,023	2.38	\$ (28,576)	\$ 64,760	2.27	\$ (9,377)	\$ 64,760	1.09	\$ (16)	\$ 36,240	N/A	\$ (64,493)	\$ 64,760	1.00
Small Commercial Demand Response Program		\$ (1,782)	\$ 4,207	2.36	\$ (1,782)	\$ 4,007	2.25	\$ (3,144)	\$ 4,007	1.27	\$ (9)	\$ 1,716	N/A	\$ (3,459)	\$ 4,007	1.16
Demand Response Programs Subtotal		\$ (30,359)	\$ 72,230	2.38	\$ (30,338)	\$ 68,767	2.27	\$ (62,521)	\$ 68,767	1.10	\$ (16)	\$ 37,956	N/A	\$ (67,952)	\$ 68,767	1.01
Other Programs																
Conservation Voltage Reduction		\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Dynamic Pricing		\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Transformers		\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Beneficial Electrification	Electrification	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
EmPOWER Maryland Portfolio Total																
All Program Total		\$ (474,300)	\$ 1,231,609	2.597	\$ (454,334)	\$ 551,259	1.213	\$ (393,641)	\$ 519,800	1.32	\$ (325,752)	\$ 831,947	2.55	\$ (930,764)	\$ 519,800	0.56
Program Investigation Development and Design (PID)																
Energy Engineers																
Summer Energy Challenge																
Controlled Environment Agriculture																
PID Unidentified																
PID Programs Subtotal																

Table ES-4 Middle Scenario																	
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Plan and Programmatic Cost Effectiveness for 2024-2026 - NPV for Costs and Benefits																	
Program Category (EE vs Electrification)	Program	MD Jurisdictional Specific Test (MJSI)			All Ratepayers Test (ToC)			Utility/Administrator Test			Participants Test			Ratepayer Impact Test (RIT)			
		NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	
Energy Efficiency and Conservation Programs																	
Residential EE&C Programs																	
	Energy Efficient Products	EE	\$ (27,719)	\$ 39,260	1.41	\$ (26,653)	\$ 16,967	0.64	\$ (15,928)	\$ 12,462	0.78	\$ (17,654)	\$ 33,407	1.89	\$ (27,914)	\$ 12,462	0.33
	Appliance Rebates	EE	\$ (24,197)	\$ 32,636	1.35	\$ (23,195)	\$ 14,219	0.61	\$ (12,412)	\$ 9,714	0.78	\$ (16,579)	\$ 28,046	1.69	\$ (30,170)	\$ 9,714	0.32
	Appliance Recycling	EE	\$ (3,522)	\$ 6,543	1.86	\$ (3,457)	\$ 2,747	0.79	\$ (3,516)	\$ 2,747	0.78	\$ (1,075)	\$ 5,361	4.99	\$ (7,744)	\$ 2,747	0.35
	Home Retrofit	EE	\$ (60,478)	\$ 114,643	1.92	\$ (76,883)	\$ 53,983	0.70	\$ (66,545)	\$ 36,088	0.54	\$ (60,437)	\$ 120,089	1.99	\$ (119,621)	\$ 36,088	0.30
	Quick Home Energy Check-Up	EE	\$ (19,654)	\$ 34,604	1.75	\$ (18,868)	\$ 13,088	0.69	\$ (19,490)	\$ 12,584	0.65	\$ (14,129)	\$ 37,343	2.64	\$ (41,581)	\$ 12,584	0.30
	Home Performance	EE	\$ (47,548)	\$ 49,661	1.04	\$ (45,219)	\$ 26,290	0.58	\$ (34,711)	\$ 14,826	0.43	\$ (40,125)	\$ 58,278	1.45	\$ (52,353)	\$ 14,826	0.28
	HVAC Rebates	EE	\$ (10,373)	\$ 16,054	1.55	\$ (10,102)	\$ 9,899	0.98	\$ (9,554)	\$ 4,003	0.42	\$ (4,415)	\$ 13,375	3.03	\$ (13,631)	\$ 4,003	0.29
	School and Education	EE	\$ (2,800)	\$ 13,724	4.90	\$ (2,693)	\$ 4,674	1.74	\$ (2,790)	\$ 4,674	1.68	\$ (1,768)	\$ 11,052	6.27	\$ (12,017)	\$ 4,674	0.39
	Residential New Construction	EE	\$ (5,386)	\$ 11,650	2.16	\$ (5,186)	\$ 5,581	1.08	\$ (4,504)	\$ 3,394	0.75	\$ (3,264)	\$ 9,025	2.77	\$ (8,874)	\$ 3,394	0.38
	Efficiency for Affordable Housing	EE	\$ (40,520)	\$ 26,021	0.64	\$ (38,481)	\$ 14,508	0.38	\$ (39,505)	\$ 7,612	0.19	\$ (30,271)	\$ 48,876	1.61	\$ (50,842)	\$ 7,612	0.15
	Behavior	EE	\$ (6,280)	\$ 24,779	3.94	\$ (6,280)	\$ 11,286	1.80	\$ (6,280)	\$ 11,279	1.80	\$ (0)	\$ 15,699	60356849.91	\$ (21,979)	\$ 11,279	0.51
	DHCD Cross Promotion	EE	\$ (480)	\$ -	0.00	\$ (480)	\$ -	0.00	\$ (480)	\$ -	0.00	\$ (0)	\$ -	0.00	\$ (480)	\$ -	0.00
	Residential Programs Subtotal	EE	\$ (160,859)	\$ 215,695	1.34	\$ (153,962)	\$ 102,294	0.66	\$ (133,242)	\$ 70,935	0.53	\$ (111,623)	\$ 227,095	2.03	\$ (229,709)	\$ 70,935	0.30
	Energy Efficient Products	Electrification	\$ (2,998)	\$ 1,897	0.63	\$ (2,489)	\$ 1,131	0.45	\$ (2,684)	\$ 902	0.34	\$ (2,062)	\$ 280	0.14	\$ (2,684)	\$ 2,062	0.77
	Appliance Rebates (Electrification)	Electrification	\$ (2,998)	\$ 1,897	0.63	\$ (2,489)	\$ 1,131	0.45	\$ (2,684)	\$ 902	0.34	\$ (2,062)	\$ 280	0.14	\$ (2,684)	\$ 2,062	0.77
Residential Electrification Programs Subtotal																	
		Electrification	\$ (2,998)	\$ 1,897	0.63	\$ (2,489)	\$ 1,131	0.45	\$ (2,684)	\$ 902	0.34	\$ (2,062)	\$ 280	0.14	\$ (2,684)	\$ 2,062	0.77
Commercial and Industrial EE&C Programs																	
	Small Business	EE	\$ (63,802)	\$ 149,214	2.34	\$ (61,006)	\$ 57,722	0.95	\$ (58,643)	\$ 57,722	0.98	\$ (46,379)	\$ 116,359	2.51	\$ (130,986)	\$ 57,722	0.44
	Commercial Customer Engagement Portal	EE	\$ (3,251)	\$ 524	0.16	\$ (3,251)	\$ 214	0.07	\$ (3,251)	\$ 214	0.07	\$ (0)	\$ 286	N/A	\$ (3,536)	\$ 214	0.06
	Efficient Business Solutions	EE	\$ (127,747)	\$ 457,067	3.58	\$ (122,018)	\$ 203,917	1.67	\$ (97,748)	\$ 203,916	2.08	\$ (92,419)	\$ 257,706	2.79	\$ (287,306)	\$ 203,916	0.71
	Prescriptive	EE	\$ (61,541)	\$ 187,062	3.05	\$ (58,694)	\$ 72,867	1.24	\$ (51,616)	\$ 72,867	1.41	\$ (48,052)	\$ 130,479	2.72	\$ (141,121)	\$ 72,867	0.52
	Customer	EE	\$ (49,401)	\$ 227,976	4.61	\$ (47,122)	\$ 115,835	2.46	\$ (29,508)	\$ 115,835	3.92	\$ (36,138)	\$ 94,652	2.62	\$ (106,858)	\$ 115,835	1.09
	Virtual Commissioning	EE	\$ (3,511)	\$ 5,623	1.60	\$ (3,509)	\$ 2,256	0.64	\$ (3,476)	\$ 2,256	0.65	\$ (33)	\$ 2,939	88.04	\$ (6,415)	\$ 2,256	0.35
	Retrocommissioning and Building Tune-Up	EE	\$ (13,194)	\$ 36,408	2.76	\$ (12,692)	\$ 12,959	1.02	\$ (13,148)	\$ 12,959	0.98	\$ (8,195)	\$ 29,437	3.59	\$ (33,934)	\$ 12,959	0.38
	Combined Heat and Power	EE	\$ (17,623)	\$ 160,777	9.12	\$ (16,727)	\$ 53,133	3.18	\$ (12,355)	\$ 53,133	4.30	\$ (14,868)	\$ 85,682	5.76	\$ (67,546)	\$ 53,133	0.81
	Commercial Midwater	EE	\$ (67,916)	\$ 157,071	2.31	\$ (54,812)	\$ 57,700	1.05	\$ (16,509)	\$ 57,700	3.43	\$ (51,484)	\$ 92,058	1.79	\$ (66,387)	\$ 57,700	0.86
	Energy Efficient Communities	EE	\$ (12,764)	\$ 19,368	1.52	\$ (12,221)	\$ 7,512	0.61	\$ (8,892)	\$ 7,512	0.84	\$ (8,968)	\$ 15,089	1.68	\$ (18,342)	\$ 7,512	0.41
	Commercial and Industrial EE&C Programs Subtotal	EE	\$ (283,102)	\$ 944,051	3.33	\$ (270,034)	\$ 380,198	1.41	\$ (197,878)	\$ 380,198	1.92	\$ (214,112)	\$ 567,181	2.65	\$ (623,103)	\$ 380,198	0.61
	Commercial Building Electrification	Electrification	\$ (58,940)	\$ 91,599	1.55	\$ (46,281)	\$ 33,423	0.72	\$ (43,340)	\$ 4,085	0.00	\$ (59,316)	\$ 4,049	0.07	\$ (43,340)	\$ 52,326	1.21
Commercial and Industrial Electrification Programs Subtotal																	
		Electrification	\$ (58,940)	\$ 91,599	1.55	\$ (46,281)	\$ 33,423	0.72	\$ (43,340)	\$ 4,085	0.00	\$ (59,316)	\$ 4,049	0.07	\$ (43,340)	\$ 52,326	1.21
Energy Efficiency and Conservation Subtotal																	
			\$ 505,999	\$ 1,253,242	2.48	\$ (472,766)	\$ 517,046	1.09	\$ (377,144)	\$ 451,033	1.20	\$ (387,115)	\$ 798,605	2.06	\$ (909)	\$ 505	0.56
Demand Response Programs																	
	Residential Demand Response Program		\$ (26,571)	\$ 69,219	2.62	\$ (25,576)	\$ 65,085	2.28	\$ (19,377)	\$ 64,780	1.09	\$ (15)	\$ 35,931	N/A	\$ (64,493)	\$ 64,780	1.00
	Small Commercial Demand Response Program		\$ (1,762)	\$ 4,207	2.39	\$ (1,762)	\$ 4,207	2.39	\$ (1,762)	\$ 4,007	1.27	\$ (0)	\$ 1,607	N/A	\$ (4,558)	\$ 4,007	1.10
Demand Response Programs Subtotal																	
			\$ (28,333)	\$ 73,426	2.62	\$ (27,338)	\$ 69,292	2.28	\$ (21,139)	\$ 68,787	1.19	\$ (15)	\$ 37,538	N/A	\$ (69,052)	\$ 68,787	1.01
Other Programs																	
	Conservation Voltage Reduction		\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0
	Dynamic Pricing		\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0
	Transformers		\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0
	Beneficial Electrification	Electrification	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0
Other Programs Subtotal																	
			\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0	\$ -	\$ -	0
EmPOWER Maryland Portfolio Total																	
	All Program Total		\$ 536,238	\$ 1,326,668	2.42	\$ (503,104)	\$ 588,138	1.17	\$ (439,665)	\$ 519,000	1.18	\$ (387,130)	\$ 836,234	2.16	\$ (978,768)	\$ 674,189	0.69
Program Investigation Development and Design (PID&D)																	
Summer Energy Challenge																	
My Energy Targets																	
Controlled Environment Agriculture																	
PIDD Unidentified																	
PIDD Programs Subtotal																	

Table ES-4 Maximum Scenario																
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Plan and Programmatic Cost Effectiveness for 2024-2026 - NPV for Costs and Benefits																
Programs	Program Category (EE vs Electrification)	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	All Ratepayers Test (TRC)			Utility/Administrator Test			Participants Test			Ratepayer Impact Test (RIM)		
					NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio	NPV Costs (\$1,000s)	NPV Benefits (\$1,000s)	Ratio
Residential EE&C Programs																
Energy Efficient Products	EE	\$ (32,281)	\$ 49,330	1.53	\$ (31,095)	\$ 23,489	0.75	\$ (21,645)	\$ 17,642	0.82	\$ (19,670)	\$ 44,876	2.28	\$ (53,304)	\$ 17,642	0.33
Appliance Rebates	EE	\$ (26,086)	\$ 42,108	1.60	\$ (26,984)	\$ 20,447	0.76	\$ (17,312)	\$ 11,421	0.66	\$ (18,488)	\$ 38,822	2.10	\$ (38,306)	\$ 11,421	0.30
Appliance Recycling	EE	\$ (4,183)	\$ 7,222	1.73	\$ (4,111)	\$ 3,022	0.74	\$ (4,333)	\$ 3,022	0.70	\$ (1,182)	\$ 6,054	5.12	\$ (8,984)	\$ 3,022	0.34
Home Retrofit	EE	\$ (104,537)	\$ 199,885	1.93	\$ (99,932)	\$ 82,746	0.83	\$ (96,389)	\$ 45,731	0.47	\$ (78,143)	\$ 179,088	2.29	\$ (164,957)	\$ 45,731	0.28
Quick Home Energy Check-Up	EE	\$ (23,368)	\$ 47,643	2.04	\$ (22,402)	\$ 18,127	0.81	\$ (23,199)	\$ 17,148	0.74	\$ (16,530)	\$ 48,618	2.94	\$ (53,513)	\$ 17,148	0.32
Home Performance	EE	\$ (64,646)	\$ 70,779	1.09	\$ (61,351)	\$ 40,719	0.66	\$ (54,818)	\$ 18,301	0.33	\$ (54,374)	\$ 92,664	1.70	\$ (77,859)	\$ 18,301	0.24
HVAC Rebates	EE	\$ (13,293)	\$ 26,675	2.01	\$ (12,956)	\$ 18,816	1.45	\$ (14,260)	\$ 5,197	0.36	\$ (5,471)	\$ 25,237	4.61	\$ (19,662)	\$ 5,197	0.26
School and Education	EE	\$ (3,230)	\$ 14,758	4.57	\$ (3,124)	\$ 5,084	1.63	\$ (4,093)	\$ 5,084	1.24	\$ (1,768)	\$ 12,568	7.11	\$ (13,923)	\$ 5,084	0.37
Residential New Construction	EE	\$ (6,423)	\$ 13,492	2.10	\$ (6,188)	\$ 6,580	1.06	\$ (6,069)	\$ 3,831	0.63	\$ (3,792)	\$ 11,309	2.98	\$ (11,088)	\$ 3,831	0.35
Efficiency for Affordable Housing	EE	\$ (148,411)	\$ 137,257	0.92	\$ (140,086)	\$ 84,085	0.60	\$ (168,776)	\$ 34,137	0.20	\$ (124,590)	\$ 252,408	2.03	\$ (220,958)	\$ 34,137	0.15
Behavioral	EE	\$ (7,430)	\$ 24,779	3.34	\$ (7,430)	\$ 11,286	1.52	\$ (7,430)	\$ 11,279	1.52	\$ (0)	\$ 15,699	N/A	\$ (23,129)	\$ 11,279	0.49
DHCD Cross Promotion	EE	\$ (480)	\$ -	0.00	\$ (480)	\$ -	0.00	\$ (480)	\$ -	0.00	\$ -	\$ -	0.00	\$ (480)	\$ -	0.00
Residential Programs Subtotal	EE	\$ (299,662)	\$ 384,713	1.28	\$ (285,112)	\$ 208,165	0.73	\$ (260,789)	\$ 112,620	0.37	\$ (228,195)	\$ 603,379	2.23	\$ (473,913)	\$ 112,620	0.24
Energy Efficient Products	Electrification	\$ (3,101)	\$ 2,068	0.67	\$ (2,593)	\$ 1,131	0.44	\$ (2,788)	\$ -	0.00	\$ (2,062)	\$ 280	0.14	\$ (2,788)	\$ 2,062	0.74
Appliance Rebates (Electrification)	Electrification	\$ (3,101)	\$ 2,068	0.67	\$ (2,593)	\$ 1,131	0.44	\$ (2,788)	\$ -	0.00	\$ (2,062)	\$ 280	0.14	\$ (2,788)	\$ 2,062	0.74
Residential Electrification Programs Subtotal	Electrification	\$ (3,101)	\$ 2,068	0.67	\$ (2,593)	\$ 1,131	0.44	\$ (2,788)	\$ -	0.00	\$ (2,062)	\$ 280	0.14	\$ (2,788)	\$ 2,062	0.74
Commercial and Industrial EE&C Programs																
Small Business	EE	\$ (96,952)	\$ 239,754	2.47	\$ (92,491)	\$ 92,747	1.00	\$ (127,732)	\$ 92,747	0.73	\$ (73,989)	\$ 225,421	3.05	\$ (243,924)	\$ 92,747	0.38
Commercial Customer Engagement Portal	EE	\$ (3,423)	\$ 524	0.15	\$ (3,423)	\$ 214	0.06	\$ (3,423)	\$ 214	0.06	\$ (0)	\$ 286	N/A	\$ (3,708)	\$ 214	0.06
Efficient Business Solutions	EE	\$ (179,849)	\$ 709,547	3.90	\$ (171,890)	\$ 334,613	1.95	\$ (222,984)	\$ 334,612	1.50	\$ (129,576)	\$ 445,826	3.44	\$ (488,140)	\$ 334,612	0.69
Prescriptive	EE	\$ (91,017)	\$ 259,841	2.86	\$ (86,675)	\$ 105,661	1.22	\$ (111,900)	\$ 105,661	0.94	\$ (71,401)	\$ 225,505	3.16	\$ (240,779)	\$ 105,661	0.44
Custom	EE	\$ (85,193)	\$ 375,918	5.77	\$ (82,230)	\$ 209,107	3.88	\$ (86,070)	\$ 209,107	2.43	\$ (47,495)	\$ 176,700	3.72	\$ (191,435)	\$ 209,107	1.08
Virtual Commissioning	EE	\$ (6,287)	\$ 7,620	1.21	\$ (6,284)	\$ 3,056	0.49	\$ (6,232)	\$ 3,056	0.49	\$ (52)	\$ 3,982	75.98	\$ (10,213)	\$ 3,056	0.30
Recommissioning and Building Tune-Up	EE	\$ (17,352)	\$ 47,168	2.72	\$ (16,701)	\$ 16,789	1.01	\$ (16,783)	\$ 16,789	0.99	\$ (10,627)	\$ 39,639	3.73	\$ (45,713)	\$ 16,789	0.37
Combined Heat and Power	EE	\$ (16,019)	\$ 160,777	9.99	\$ (17,123)	\$ 53,133	3.10	\$ (13,231)	\$ 53,133	4.02	\$ (14,963)	\$ 85,862	5.70	\$ (87,942)	\$ 53,133	0.60
Commercial Midstream	EE	\$ (60,076)	\$ 157,175	2.62	\$ (57,746)	\$ 57,746	1.01	\$ (57,154)	\$ 57,746	1.01	\$ (19,867)	\$ 94,011	4.74	\$ (66,769)	\$ 57,746	0.58
Energy Efficient Communities	EE	\$ (18,650)	\$ 30,315	1.63	\$ (17,829)	\$ 11,871	0.67	\$ (16,015)	\$ 11,871	0.74	\$ (13,584)	\$ 26,583	1.96	\$ (30,828)	\$ 11,871	0.39
Commercial and Industrial EE&C Programs Subtotal	EE	\$ (376,969)	\$ 1,289,992	3.42	\$ (359,688)	\$ 550,323	1.53	\$ (403,262)	\$ 550,322	1.36	\$ (284,166)	\$ 877,809	3.09	\$ (953,331)	\$ 550,322	0.58
Commercial Building Electrification	Electrification	\$ (50,230)	\$ 100,865	1.70	\$ (46,579)	\$ 33,423	0.72	\$ (43,639)	\$ -	0.00	\$ (59,316)	\$ 4,049	0.07	\$ (43,639)	\$ 52,328	1.20
Commercial and Industrial Electrification Programs Subtotal	Electrification	\$ (50,230)	\$ 100,865	1.70	\$ (46,579)	\$ 33,423	0.72	\$ (43,639)	\$ -	0.00	\$ (59,316)	\$ 4,049	0.07	\$ (43,639)	\$ 52,328	1.20
Energy Efficiency and Conservation Subtotal																
		\$ (738,871)	\$ 1,776,738	2.40	\$ (693,972)	\$ 793,042	1.14	\$ (750,447)	\$ 662,943	0.88	\$ (571,739)	\$ 1,385,516	2.42	\$ (1,473,671)	\$ 717,331	0.49
Demand Response Programs																
Residential Demand Response Program		\$ (28,577)	\$ 69,303	2.43	\$ (28,576)	\$ 65,085	2.28	\$ (59,377)	\$ 64,760	1.09	\$ (15)	\$ 35,931	N/A	\$ (64,493)	\$ 64,760	1.00
Small Commercial Demand Response Program		\$ (1,762)	\$ 4,207	2.39	\$ (1,762)	\$ 4,007	2.27	\$ (3,144)	\$ 4,007	1.27	\$ (0)	\$ 1,697	N/A	\$ (3,459)	\$ 4,007	1.16
Demand Response Programs Subtotal		\$ (30,339)	\$ 73,510	2.42	\$ (30,338)	\$ 69,092	2.28	\$ (62,521)	\$ 68,767	1.10	\$ (15)	\$ 37,628	N/A	\$ (67,952)	\$ 68,767	1.01
Other Programs																
Conservation Voltage Reduction		\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Dynamic Pricing		\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Transformers		\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
Beneficial Electrification	Electrification	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00	\$ -	\$ -	0.00
Other Programs Subtotal		\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	-
EmPOWER Maryland Portfolio Total																
All Program Total		\$ (769,210)	\$ 1,850,249	2.41	\$ (724,310)	\$ 862,134	1.19	\$ (812,968)	\$ 731,710	0.90	\$ (571,754)	\$ 1,423,148	2.49	\$ (1,541,623)	\$ 786,099	0.51
Program Investigation Development and Design (PIDD)																
Summer Energy Challenge																
My Energy Target																
Controlled Environment Agriculture																
PIDD Unidentified																
PIDD Programs Subtotal																

Table ES-5 Gross 2023 Scenario
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

	Program Category (EE vs Electrification)	2023 Forecasted		2024 Forecasted		2024-2026 Forecasted		2024-2026 Forecasted	
		Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)
Energy Efficiency and Conservation Programs									
Residential EE&C Programs									
Energy Efficient Products	EE	\$ 0.0448	\$ 413	\$ 0.0477	\$ 462	\$ 0.0489	\$ 460	\$ 0.0471	\$ 442
Appliance Rebates	EE	\$ 0.0407	\$ 407	\$ 0.0435	\$ 450	\$ 0.0442	\$ 457	\$ 0.0428	\$ 438
Appliance Recycling	EE	\$ 1.4024	\$ 8,744	\$ 0.0740	\$ 462	\$ 0.0755	\$ 471	\$ 0.0730	\$ 455
Home Retrofit	EE	\$ 0.0490	\$ 442	\$ 0.0579	\$ 532	\$ 0.0791	\$ 716	\$ 0.2007	\$ 1,848
Quick Home Energy Check-Up	EE	\$ 0.0490	\$ 442	\$ 0.0579	\$ 532	\$ 0.0751	\$ 716	\$ 0.2007	\$ 1,848
Home Performance	EE	\$ 0.1017	\$ 296	\$ 0.1017	\$ 296	\$ 0.1017	\$ 297	\$ 0.0566	\$ 165
HVAC Rebates	EE	\$ 0.1401	\$ 302	\$ 0.1479	\$ 320	\$ 0.1509	\$ 329	\$ 0.0532	\$ 1,198
School and Education	EE	\$ 0.0239	\$ 378	\$ 0.0246	\$ 388	\$ 0.0248	\$ 392	\$ 0.0818	\$ 1,292
Residential New Construction	EE	\$ 0.0421	\$ 144	\$ 0.0429	\$ 148	\$ 0.0426	\$ 149	\$ 0.0266	\$ 92
Efficiency for Affordable Housing	EE	\$ 0.2641	\$ 1,376	\$ 0.2308	\$ 1,146	\$ 0.2321	\$ 1,153	\$ 0.0262	\$ 131
Behavioral	EE	\$ 0.0372	\$ 217	\$ 0.0386	\$ 227	\$ 0.0388	\$ 234	\$ 0.0290	\$ 504
DHCD Cross Promotion	EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Programs Subtotal	EE	\$ 0.0712	\$ 370	\$ 0.0859	\$ 438	\$ 0.0902	\$ 452	\$ 0.0036	\$ 20
Energy Efficient Products	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Appliance Rebates (Electrification)	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Electrification Programs Subtotal	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial EE&C Programs									
Small Business	EE	\$ 0.0529	\$ 304	\$ 0.0541	\$ 311	\$ 0.0545	\$ 313	\$ 0.0538	\$ 309
Commercial Customer Engagement Portal	EE	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -
Efficient Business Solutions	EE	\$ 0.0369	\$ 93	\$ 0.0342	\$ 94	\$ 0.0340	\$ 87	\$ 0.0346	\$ 91
Prescriptive	EE	\$ 0.0522	\$ 67	\$ 0.0437	\$ 67	\$ 0.0417	\$ 60	\$ 0.0452	\$ 65
Custom	EE	\$ 0.0275	\$ 35	\$ 0.0250	\$ 38	\$ 0.0246	\$ 35	\$ 0.0255	\$ 36
Virtual Commissioning	EE	\$ 0.0879	\$ 633	\$ 0.0865	\$ 622	\$ 0.0869	\$ 625	\$ 0.0871	\$ 627
Retrocommissioning and Building Tune-Up	EE	\$ 0.0487	\$ 2,134	\$ 0.0489	\$ 2,119	\$ 0.0494	\$ 2,141	\$ 0.0490	\$ 2,132
Combined Heat and Power	EE	\$ 0.0087	\$ 73	\$ 0.0088	\$ 74	\$ 0.0088	\$ 74	\$ 0.0087	\$ 74
Commercial Midstream	EE	\$ 0.0132	\$ 105	\$ 0.0138	\$ 109	\$ 0.0139	\$ 110	\$ 0.0137	\$ 108
Energy Efficient Communities	EE	\$ 0.0503	\$ 289	\$ 0.0685	\$ 411	\$ 0.0673	\$ 401	\$ 0.0624	\$ 367
Commercial and Industrial EE&C Programs Subtotal	EE	\$ 0.0289	\$ 124	\$ 0.0294	\$ 126	\$ 0.0295	\$ 119	\$ 0.0293	\$ 123
Commercial Building Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial Electrification Programs	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency and Conservation Subtotal		\$ 0.0372	\$ 165	\$ 0.0404	\$ 178	\$ 0.0408	\$ 171	\$ 0.0395	\$ 173
Demand Response Programs									
Residential Demand Response Program		\$ 93.6901	\$ 86	\$ 96.9087	\$ 89	\$ 97.9686	\$ 90	\$ 96.1911	\$ 265
Small Commercial Demand Response Program		\$ 174.9967	\$ 72	\$ 183.8300	\$ 76	\$ 57.8125	\$ 77	\$ 104.9308	\$ 225
Demand Response Programs Subtotal		\$ 95.8932	\$ 85	\$ 99.2963	\$ 88	\$ 94.6610	\$ 89	\$ 96.6664	\$ 283
Other Programs									
Conservation Voltage Reduction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total									
All Program Total		\$ 0.0435	\$ 127	\$ 0.0462	\$ 138	\$ 0.0467	\$ 135	\$ 0.0465	\$ 174
Program Investigation Development and Design (PIDD)									
Energy Engineers									
Summer Energy Challenge									
Controlled Environment Agriculture									
PIDD Unidentified									
PIDD Programs Subtotal									

Table ES-5 Gross Middle Scenario
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

		Program Category (EE vs Electrification)	2024 Forecasted		2025 Forecasted		2026 Forecasted		2024-2026 Forecasted		
			Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	
Energy Efficiency and Conservation Programs											
Residential EE/C Programs											
Energy Efficient Products	EE	\$ 0.0449	\$ 412.8	\$ 0.0477	\$ 482	\$ 0.0489	\$ 469	\$ 0.0471	\$ 442		
Appliance Rebates	EE	\$ 0.0407	\$ 407.2	\$ 0.0435	\$ 450	\$ 0.0442	\$ 457	\$ 0.0428	\$ 438		
Appliance Recycling	EE	\$ 1.4024	\$ 8,743.7	\$ 0.0740	\$ 462	\$ 0.0755	\$ 471	\$ 0.0730	\$ 455		
Home Retrofits	EE	\$ 0.0715	\$ 333.0	\$ 0.0778	\$ 348	\$ 0.0859	\$ 367	\$ 0.0781	\$ 349		
Quick Home Energy Check-Up	EE	\$ 0.0490	\$ 442	\$ 0.0579	\$ 532	\$ 0.0751	\$ 716	\$ 0.2007	\$ 1,848		
Home Performance	EE	\$ 0.1017	\$ 296	\$ 0.1017	\$ 296	\$ 0.1017	\$ 297	\$ 0.0566	\$ 165		
HVAC Rebates	EE	\$ 0.1401	\$ 302	\$ 0.1479	\$ 320	\$ 0.1509	\$ 329	\$ 0.0532	\$ 119		
School and Education	EE	\$ 0.0239	\$ 378	\$ 0.0246	\$ 388	\$ 0.0248	\$ 392	\$ 0.0818	\$ 1,292		
Residential New Construction	EE	\$ 0.0421	\$ 144	\$ 0.0429	\$ 148	\$ 0.0426	\$ 149	\$ 0.0266	\$ 92		
Efficiency for Affordable Housing	EE	\$ 0.2641	\$ 1,376	\$ 0.2308	\$ 1,146	\$ 0.2321	\$ 1,153	\$ 0.0262	\$ 131		
Behavioral	EE	\$ 0.0372	\$ 217	\$ 0.0388	\$ 227	\$ 0.0388	\$ 234	\$ 0.0290	\$ 504		
DHCD Cross Promotion	EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Residential Programs Subtotal			EE	\$ 0.0712	\$ 370	\$ 0.0859	\$ 438	\$ 0.0902	\$ 452	\$ 0.0626	\$ 445
Energy Efficient Products			Electrification	\$ (0.0752)	\$ (793)	\$ (0.0362)	\$ (376)	\$ (0.0240)	\$ (246)	\$ (0.0349)	\$ (360)
Appliance Rebates (Electrification)			Electrification	\$ (0.0752)	\$ (793)	\$ (0.0362)	\$ (376)	\$ (0.0240)	\$ (246)	\$ (0.0349)	\$ (360)
Residential Electrification Programs Subtotal			Electrification	\$ (0.0752)	\$ (793)	\$ (0.0362)	\$ (376)	\$ (0.0240)	\$ (246)	\$ (0.0349)	\$ (360)
Commercial and Industrial EE/C Programs											
Small Business	EE	\$ 0.0529	\$ 304	\$ 0.0541	\$ 311	\$ 0.0545	\$ 313	\$ 0.0538	\$ 309		
Commercial Customer Engagement Portal	EE	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -		
Efficient Business Solutions	EE	\$ 0.0359	\$ 93	\$ 0.0342	\$ 94	\$ 0.0340	\$ 87	\$ 0.0346	\$ 91		
Prescriptive	EE	\$ 0.0522	\$ 67	\$ 0.0437	\$ 67	\$ 0.0417	\$ 60	\$ 0.0452	\$ 65		
Custom	EE	\$ 0.0275	\$ 35	\$ 0.0250	\$ 38	\$ 0.0246	\$ 35	\$ 0.0255	\$ 36		
Virtual Commissioning	EE	\$ 0.0879	\$ 633	\$ 0.0865	\$ 622	\$ 0.0869	\$ 625	\$ 0.0871	\$ 627		
Retrocommissioning and Building Tune-Up	EE	\$ 0.0487	\$ 2,134	\$ 0.0489	\$ 2,119	\$ 0.0494	\$ 2,141	\$ 0.0490	\$ 2,132		
Combined Heat and Power	EE	\$ 0.0087	\$ 73	\$ 0.0088	\$ 74	\$ 0.0088	\$ 74	\$ 0.0087	\$ 74		
Commercial Midstream	EE	\$ 0.0132	\$ 105	\$ 0.0138	\$ 109	\$ 0.0139	\$ 110	\$ 0.0137	\$ 108		
Energy Efficient Communities	EE	\$ 0.0503	\$ 289	\$ 0.0680	\$ 411	\$ 0.0673	\$ 401	\$ 0.0624	\$ 367		
Commercial and Industrial EE/C Programs Subtotal			EE	\$ 0.0289	\$ 124	\$ 0.0294	\$ 128	\$ 0.0295	\$ 119	\$ 0.0293	\$ 123
Commercial Building Electrification	Electrification	\$ (0.0104)	\$ (105)	\$ (0.0079)	\$ (83)	\$ (0.0073)	\$ (80)	\$ (0.0080)	\$ (85)		
Commercial and Industrial Electrification Programs			Electrification	\$ (0.0104)	\$ (105)	\$ (0.0079)	\$ (83)	\$ (0.0073)	\$ (80)	\$ (0.0080)	\$ (85)
Energy Efficiency and Conservation Subtotal				\$ 0.0399	\$ 172	\$ 0.0459	\$ 190	\$ 0.0488	\$ 187	\$ 0.0451	\$ 185
Demand Response Programs											
Residential Demand Response Program				\$ 93.6901	\$ 86	\$ 96.9087	\$ 89	\$ 97.9666	\$ 90	\$ 96.1911	\$ 265
Small Commercial Demand Response Program				\$ 174.9987	\$ 72	\$ 183.8300	\$ 76	\$ 177.8125	\$ 77	\$ 184.3068	\$ 225
Demand Response Programs Subtotal				\$ 96.8932	\$ 85	\$ 99.2583	\$ 88	\$ 94.6610	\$ 89	\$ 96.5644	\$ 263
Other Programs											
Conservation Voltage Reduction				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification			Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EMPOWER Maryland Portfolio Total											
All Program Total				\$ 0.0468	\$ 130	\$ 0.0660	\$ 142	\$ 0.0733	\$ 139	\$ 0.0597	\$ 179
Program Investigation Development and Design (PIDD)											
Energy Engineers											
Summer Energy Challenge											
Controlled Environment Agriculture											
PIDD Unidentified											
PIDD Programs Subtotal											

**Table ES-5 Gross Maximum Scenario
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings**

EMPOWER Maryland Portfolio Total	Program Category (EE vs Electrification)	2024 Forecasted				2026 Forecasted				2028 Forecasted				2024-2028 Forecasted			
		Forecasted Lifecycle Cost per kWh Saved (\$)		Forecasted Lifecycle Cost per kW Demand Reduced (\$)		Forecasted Lifecycle Cost per kWh Saved (\$)		Forecasted Lifecycle Cost per kW Demand Reduced (\$)		Forecasted Lifecycle Cost per kWh Saved (\$)		Forecasted Lifecycle Cost per kW Demand Reduced (\$)		Forecasted Lifecycle Cost per kWh Saved (\$)		Forecasted Lifecycle Cost per kW Demand Reduced (\$)	
		Energy Efficiency and Conservation Programs															
		Residential EE&C Programs															
Energy Efficient Products	EE	\$ 0.0529	\$ 510	\$ 0.0554	\$ 535	\$ 0.0563	\$ 543	\$ 0.0549	\$ 530								
Appliance Rebates	EE	\$ 0.0491	\$ 517	\$ 0.0512	\$ 540	\$ 0.0520	\$ 547	\$ 0.0508	\$ 534								
Appliance Recycling	EE	\$ 1.8120	\$ 11,298	\$ 0.0830	\$ 517	\$ 0.0846	\$ 528	\$ 0.0818	\$ 510								
Home Retrofits	EE	\$ 0.0812	\$ 389	\$ 0.0887	\$ 424	\$ 0.0891	\$ 423	\$ 0.0863	\$ 413								
Quick Home Energy Check-Up	EE	\$ 0.0424	\$ 377	\$ 0.0538	\$ 514	\$ 0.0541	\$ 517	\$ 0.2072	\$ 1,928								
Home Performance	EE	\$ 0.1244	\$ 407	\$ 0.1237	\$ 404	\$ 0.1223	\$ 399	\$ 0.0517	\$ 169								
HVAC Rebates	EE	\$ 0.1655	\$ 354	\$ 0.1652	\$ 377	\$ 0.1680	\$ 388	\$ 0.0620	\$ 1,485								
School and Education	EE	\$ 0.0330	\$ 455	\$ 0.0339	\$ 467	\$ 0.0342	\$ 471	\$ 0.1154	\$ 1,591								
Residential New Construction	EE	\$ 0.0503	\$ 176	\$ 0.0506	\$ 181	\$ 0.0498	\$ 182	\$ 0.0340	\$ 122								
Efficiency for Affordable Housing	EE	\$ 0.2258	\$ 1,220	\$ 0.2173	\$ 1,174	\$ 0.2176	\$ 1,176	\$ 0.0076	\$ 41								
Behavioral	EE	\$ 0.0440	\$ 257	\$ 0.0460	\$ 268	\$ 0.0459	\$ 276	\$ 0.0392	\$ 682								
DHCD Cross Promotion	EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Residential Programs Subtotal	EE	\$ 0.1030	\$ 654	\$ 0.1249	\$ 669	\$ 0.1246	\$ 666	\$ 0.1184	\$ 658								
Energy Efficient Products	Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0287)	\$ (263)	\$ (0.0378)	\$ (390)								
Appliance Rebates (Electrification)	Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0287)	\$ (263)	\$ (0.0378)	\$ (390)								
Residential Electrification Programs Subtotal	Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0287)	\$ (263)	\$ (0.0378)	\$ (390)								
Commercial and Industrial EE&C Programs	EE	\$ 0.0730	\$ 419	\$ 0.0738	\$ 423	\$ 0.0741	\$ 425	\$ 0.0736	\$ 422								
Small Business	EE	\$ 1.0792	\$ -	\$ 1.0792	\$ -	\$ 1.0792	\$ -	\$ 1.0792	\$ -								
Commercial Customer Engagement Portal	EE	\$ 0.0574	\$ 111	\$ 0.0579	\$ 109	\$ 0.0577	\$ 111	\$ 0.0577	\$ 111								
Prescriptive	EE	\$ 0.0808	\$ 72	\$ 0.0734	\$ 68	\$ 0.0681	\$ 67	\$ 0.0735	\$ 69								
Custom	EE	\$ 0.0579	\$ 52	\$ 0.0562	\$ 52	\$ 0.0556	\$ 55	\$ 0.0564	\$ 53								
Virtual Commissioning	EE	\$ 0.1172	\$ 844	\$ 0.1140	\$ 820	\$ 0.1145	\$ 824	\$ 0.1151	\$ 825								
Retrocommissioning and Building Tune-Up	EE	\$ 0.0539	\$ 2,337	\$ 0.0540	\$ 2,344	\$ 0.0546	\$ 2,366	\$ 0.0542	\$ 2,349								
Combined Heat and Power	EE	\$ 0.0089	\$ 75	\$ 0.0090	\$ 76	\$ 0.0091	\$ 76	\$ 0.0090	\$ 76								
Commercial Midstream	EE	\$ 0.0158	\$ 125	\$ 0.0166	\$ 131	\$ 0.0167	\$ 132	\$ 0.0164	\$ 129								
Energy Efficient Communities	EE	\$ 0.0630	\$ 353	\$ 0.0795	\$ 462	\$ 0.0783	\$ 459	\$ 0.0738	\$ 425								
Commercial and Industrial EE&C Programs Subtotal	EE	\$ 0.0483	\$ 183	\$ 0.0479	\$ 148	\$ 0.0480	\$ 190	\$ 0.0474	\$ 190								
Commercial Building Electrification	Electrification	\$ (0.0111)	\$ (113)	\$ (0.0683)	\$ (87)	\$ (0.0075)	\$ (63)	\$ (0.0683)	\$ (89)								
Commercial and Industrial Electrification Programs	Electrification	\$ (0.0111)	\$ (113)	\$ (0.0683)	\$ (87)	\$ (0.0075)	\$ (63)	\$ (0.0683)	\$ (89)								
Energy Efficiency and Conservation Subtotal		\$ 0.0614	\$ 215	\$ 0.0723	\$ 236	\$ 0.0759	\$ 241	\$ 0.0699	\$ 233								
Demand Response Programs																	
Residential Demand Response Program		\$ 93.6901	\$ 86	\$ 96.9087	\$ 89	\$ 97.9686	\$ 90	\$ 96.1911	\$ 265								
Small Commercial Demand Response Program		\$ 174.9987	\$ 72	\$ 183.8300	\$ 76	\$ 178.8125	\$ 77	\$ 184.3068	\$ 225								
Demand Response Programs Subtotal		\$ 96.8932	\$ 85	\$ 99.2583	\$ 88	\$ 94.8610	\$ 89	\$ 96.5664	\$ 263								
Other Programs																	
Conservation Voltage Reduction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Dynamic Pricing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Transformers		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Beneficial Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Other Programs Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
EMPOWER Maryland Portfolio Total																	
All Program Total		\$ 0.0684	\$ 174	\$ 0.0844	\$ 192	\$ 0.0958	\$ 194	\$ 0.0823	\$ 212								
Program Investigation Development and Design (PIDD)																	
Energy Engineers																	
Summer Energy Challenge																	
Controlled Environment Agriculture																	
PIDD Unidentified																	
PIDD Programs Subtotal																	

Table ES-5 Net 2023 Scenario
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

	Program Category (EE vs Electrification)	2024 Forecasted		2026 Forecasted		2028 Forecasted		2024-2026 Forecasted	
		Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Demand Reduced (\$)
		Energy Efficiency and Conservation Programs							
Residential EE&C Programs									
Energy Efficient Products	EE	\$ 0.0995	\$ 920	\$ 0.1046	\$ 1,008	\$ 0.1063	\$ 1,024	\$ 0.1032	\$ 984
Appliance Rebates	EE	\$ 0.0865	\$ 866	\$ 0.0926	\$ 957	\$ 0.0939	\$ 971	\$ 0.0911	\$ 932
Appliance Recycling	EE	\$ 3.7902	\$ 23,632	\$ 0.2001	\$ 1,248	\$ 0.2041	\$ 1,273	\$ 0.1974	\$ 1,231
Home Retrofits	EE	\$ 0.0851	\$ 409	\$ 0.0926	\$ 428	\$ 0.1024	\$ 491	\$ 0.0939	\$ 429
Quick Home Energy Check-Up	EE	\$ 0.0583	\$ 526	\$ 0.0689	\$ 633	\$ 0.0694	\$ 653	\$ 0.0700	\$ 644
Home Performance	EE	\$ 0.1169	\$ 340	\$ 0.1168	\$ 341	\$ 0.1169	\$ 341	\$ 0.1169	\$ 341
HVAC Rebates	EE	\$ 0.2843	\$ 569	\$ 0.2790	\$ 604	\$ 0.2847	\$ 620	\$ 0.2761	\$ 598
School and Education	EE	\$ 0.0260	\$ 411	\$ 0.0267	\$ 422	\$ 0.0270	\$ 426	\$ 0.0266	\$ 420
Residential New Construction	EE	\$ 0.0484	\$ 166	\$ 0.0494	\$ 170	\$ 0.0490	\$ 171	\$ 0.0489	\$ 169
Efficiency for Affordable Housing	EE	\$ 0.2641	\$ 1,376	\$ 0.2308	\$ 1,146	\$ 0.2321	\$ 1,153	\$ 0.2366	\$ 1,184
Behavioral	EE	\$ 0.0372	\$ 217	\$ 0.0388	\$ 227	\$ 0.0388	\$ 234	\$ 0.0383	\$ 267
DHCD Cross Promotion	EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Programs Subtotal	EE	\$ 0.0905	\$ 461	\$ 0.1073	\$ 534	\$ 0.1129	\$ 552	\$ 0.1039	\$ 554
Energy Efficient Products	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Appliance Rebates (Electrification)	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Electrification Programs Subtotal	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial EE&C Programs									
Small Business	EE	\$ 0.0588	\$ 338	\$ 0.0601	\$ 345	\$ 0.0605	\$ 348	\$ 0.0598	\$ 344
Commercial Customer Engagement Portal	EE	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -	\$ 1.0249	\$ -
Efficient Business Solutions	EE	\$ 0.0465	\$ 138	\$ 0.0451	\$ 140	\$ 0.0450	\$ 131	\$ 0.0455	\$ 136
Prescriptive	EE	\$ 0.0870	\$ 112	\$ 0.0729	\$ 112	\$ 0.0695	\$ 100	\$ 0.0432	\$ 234
Custom	EE	\$ 0.0458	\$ 59	\$ 0.0416	\$ 64	\$ 0.0410	\$ 59	\$ 0.0425	\$ 61
Virtual Commissioning	EE	\$ 0.0879	\$ 633	\$ 0.0885	\$ 622	\$ 0.0869	\$ 628	\$ 0.0865	\$ 627
Retrocommissioning and Building Tune-Up	EE	\$ 0.0602	\$ 2,635	\$ 0.0604	\$ 2,616	\$ 0.0610	\$ 2,643	\$ 0.0605	\$ 2,632
Combined Heat and Power	EE	\$ 0.0087	\$ 73	\$ 0.0088	\$ 74	\$ 0.0088	\$ 74	\$ 0.0087	\$ 74
Commercial Midstream	EE	\$ 0.0166	\$ 131	\$ 0.0173	\$ 137	\$ 0.0174	\$ 137	\$ 0.0171	\$ 135
Energy Efficient Communities	EE	\$ 0.0571	\$ 328	\$ 0.0763	\$ 467	\$ 0.0765	\$ 456	\$ 0.0709	\$ 418
Commercial and Industrial EE&C Programs Subtotal	EE	\$ 0.0538	\$ 164	\$ 0.0549	\$ 167	\$ 0.0551	\$ 161	\$ 0.0546	\$ 164
Commercial Building Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commercial and Industrial Electrification Programs	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Energy Efficiency and Conservation Subtotal		\$ 0.0442	\$ 216	\$ 0.0485	\$ 234	\$ 0.0490	\$ 227	\$ 0.0473	\$ 229
Demand Response Programs									
Residential Demand Response Program		\$ 93.6901	\$ 86	\$ 96.9087	\$ 89	\$ 97.9686	\$ 90	\$ 96.1911	\$ 265
Small Commercial Demand Response Program		\$ 174.9967	\$ 72	\$ 183.8300	\$ 76	\$ 178.8125	\$ 77	\$ 184.3068	\$ 225
Demand Response Programs Subtotal		\$ 95.6932	\$ 85	\$ 99.2583	\$ 88	\$ 94.8610	\$ 89	\$ 95.6664	\$ 263
Other Programs									
Conservation Voltage Reduction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total									
All Program Total		\$ 0.0514	\$ 149	\$ 0.0551	\$ 164	\$ 0.0557	\$ 162	\$ 0.0541	\$ 219
Program Investigation Development and Design (PIDD)									
Energy Engineers									
Summer Energy Challenge									
Controlled Environment Agriculture									
PIDD Unidentified									
PIDD Programs Subtotal									

Table ES-5 Net Middle Scenario
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

	Program Category (EE vs Electrification)	2024 Forecasted		2025 Forecasted		2026 Forecasted		2024-2026 Forecasted	
		Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)	Forecasted Lifecycle Cost per kWh Saved (\$)	Forecasted Lifecycle Cost per kW Demand Reduced (\$)
		Cost per kW Demand Reduced (\$)	Cost per kW Demand Reduced (\$)	Cost per kW Demand Reduced (\$)	Cost per kW Demand Reduced (\$)	Cost per kW Demand Reduced (\$)	Cost per kW Demand Reduced (\$)	Cost per kW Demand Reduced (\$)	Cost per kW Demand Reduced (\$)
Energy Efficiency and Conservation Programs									
Residential EE&C Programs									
Energy Efficient Products	EE	\$ 3,8767	\$ 24,490	\$ 0.2927	\$ 2,205	\$ 0.2981	\$ 2,244	\$ 0.1932	\$ 984
Appliance Rebates	EE	\$ 0.0865	\$ 866	\$ 0.0526	\$ 957	\$ 0.0539	\$ 971	\$ 0.0911	\$ 932
Appliance Recycling	EE	\$ 3,7902	\$ 23,632	\$ 0.2001	\$ 1,248	\$ 0.2041	\$ 1,273	\$ 0.1974	\$ 1,231
Home Retrofits	EE	\$ 0.4856	\$ 1,846	\$ 0.4915	\$ 2,000	\$ 0.5179	\$ 2,240	\$ 0.0930	\$ 429
Quick Home Energy Check-Up	EE	\$ 0.0583	\$ 526	\$ 0.0689	\$ 633	\$ 0.0694	\$ 653	\$ 0.0700	\$ 644
Home Performance	EE	\$ 0.1169	\$ 340	\$ 0.1168	\$ 341	\$ 0.1169	\$ 341	\$ 0.1169	\$ 341
HVAC Rebates	EE	\$ 0.2643	\$ 569	\$ 0.2790	\$ 604	\$ 0.2847	\$ 620	\$ 0.2761	\$ 598
School and Education	EE	\$ 0.0260	\$ 411	\$ 0.0267	\$ 422	\$ 0.0270	\$ 426	\$ 0.0266	\$ 420
Residential New Construction	EE	\$ 0.0484	\$ 166	\$ 0.0494	\$ 170	\$ 0.0490	\$ 171	\$ 0.0489	\$ 169
Efficiency for Affordable Housing	EE	\$ 0.2641	\$ 1,376	\$ 0.2398	\$ 1,146	\$ 0.2321	\$ 1,153	\$ 0.2366	\$ 1,164
Behavioral	EE	\$ 0.0372	\$ 217	\$ 0.0388	\$ 227	\$ 0.0388	\$ 234	\$ 0.0383	\$ 667
DHCD Cross Promotion	EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Programs Subtotal	EE	\$ 0.0905	\$ 461	\$ 0.1073	\$ 534	\$ 0.1129	\$ 552	\$ 0.1039	\$ 554
Energy Efficient Products	Electrification	\$ (0.0752)	\$ (793)	\$ (0.0362)	\$ (376)	\$ (0.0240)	\$ (246)	\$ (0.0349)	\$ (360)
Appliance Rebates (Electrification)	Electrification	\$ (0.0752)	\$ (793)	\$ (0.0362)	\$ (376)	\$ (0.0240)	\$ (246)	\$ (0.0349)	\$ (360)
Residential Electrification Programs Subtotal	Electrification	\$ (0.0752)	\$ (793)	\$ (0.0362)	\$ (376)	\$ (0.0240)	\$ (246)	\$ (0.0349)	\$ (360)
Commercial and Industrial EE&C Programs									
Small Business	EE	\$ 0.0588	\$ 338	\$ 0.0601	\$ 345	\$ 0.0605	\$ 348	\$ 0.0598	\$ 344
Commercial Customer Engagement Portal	EE	\$ 0.0249	\$ -	\$ 0.0249	\$ -	\$ 0.0249	\$ -	\$ 0.0249	\$ -
Efficient Business Solutions	EE	\$ 0.0465	\$ 138	\$ 0.0451	\$ 140	\$ 0.0450	\$ 131	\$ 0.0455	\$ 136
Prescriptive	EE	\$ 0.0870	\$ 112	\$ 0.0729	\$ 112	\$ 0.0695	\$ 100	\$ 0.0432	\$ 234
Custom	EE	\$ 0.0458	\$ 59	\$ 0.0416	\$ 64	\$ 0.0410	\$ 59	\$ 0.0425	\$ 61
Virtual Commissioning	EE	\$ 0.0879	\$ 633	\$ 0.0865	\$ 622	\$ 0.0869	\$ 628	\$ 0.0871	\$ 627
Retrocommissioning and Building Tune-Up	EE	\$ 0.0602	\$ 2,635	\$ 0.0604	\$ 2,616	\$ 0.0610	\$ 2,643	\$ 0.0605	\$ 2,632
Combined Heat and Power	EE	\$ 0.0087	\$ 73	\$ 0.0088	\$ 74	\$ 0.0088	\$ 74	\$ 0.0087	\$ 74
Commercial Midstream	EE	\$ 0.0166	\$ 131	\$ 0.0173	\$ 137	\$ 0.0174	\$ 137	\$ 0.0171	\$ 135
Energy Efficient Communities	EE	\$ 0.0571	\$ 328	\$ 0.0763	\$ 467	\$ 0.0765	\$ 456	\$ 0.0709	\$ 418
Commercial and Industrial EE&C Programs Subtotal	EE	\$ 0.0338	\$ 164	\$ 0.0349	\$ 167	\$ 0.0391	\$ 161	\$ 0.0346	\$ 164
Commercial Building Electrification	Electrification	\$ (0.0104)	\$ (105)	\$ (0.0079)	\$ (83)	\$ (0.0073)	\$ (80)	\$ (0.0080)	\$ (85)
Commercial and Industrial Electrification Programs	Electrification	\$ (0.0104)	\$ (105)	\$ (0.0079)	\$ (83)	\$ (0.0073)	\$ (80)	\$ (0.0080)	\$ (85)
Energy Efficiency and Conservation Subtotal		\$ 0.0479	\$ 227	\$ 0.0562	\$ 283	\$ 0.0621	\$ 254	\$ 0.0611	\$ 255
Demand Response Programs									
Residential Demand Response Program		\$ 93.6901	\$ 86	\$ 96.9087	\$ 89	\$ 97.9686	\$ 90	\$ 96.1911	\$ 265
Small Commercial Demand Response Program		\$ 174.9967	\$ 72	\$ 183.8300	\$ 76	\$ 178.8125	\$ 77	\$ 184.3068	\$ 225
Demand Response Programs Subtotal		\$ 96.8932	\$ 85	\$ 99.2583	\$ 88	\$ 94.6610	\$ 89	\$ 91.7433	\$ 290
Other Programs									
Conservation Voltage Reduction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EmPOWER Maryland Portfolio Total									
All Program Total		\$ 0.0588	\$ 153	\$ 0.0754	\$ 169	\$ 0.0976	\$ 167	\$ 0.0751	\$ 226
Program Investigation Development and Design (PIDD)									
Energy Engineers									
Summer Energy Challenge									
Controlled Environment Agriculture									
PIDD Unidentified									
PIDD Programs Subtotal									

Table ES-5 Net Maximum Scenario
EmPOWER Maryland Energy Efficiency, Conservation, and Demand Response Actual and Forecasted Lifecycle Net Present Value Cost to Achieve Savings

EMP POWER Maryland Portfolio Total									
	Program Category (EE vs Electrification)	2024 Forecasted		2028 Forecasted		2028 Forecasted		2024-2028 Forecasted	
		Forecasted Lifecycle		Forecasted Lifecycle		Forecasted Lifecycle		Forecasted Lifecycle	
		Lifecycle Cost per kWh Saved (\$)	Cost per kW Demand Reduced (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kW Demand Reduced (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kW Demand Reduced (\$)	Lifecycle Cost per kWh Saved (\$)	Cost per kW Demand Reduced (\$)
Energy Efficiency and Conservation Programs									
Residential EE&C Programs									
Energy Efficient Products	EE	\$ 0.1158	\$ 1,138	\$ 0.1214	\$ 1,190	\$ 0.1232	\$ 1,208	\$ 0.1201	\$ 1,178
Appliance Rebates	EE	\$ 0.1044	\$ 1,099	\$ 0.1090	\$ 1,148	\$ 0.1105	\$ 1,164	\$ 0.1080	\$ 1,137
Appliance Recycling	EE	\$ 0.2106	\$ 1,313	\$ 0.2242	\$ 1,388	\$ 0.2287	\$ 1,426	\$ 0.2212	\$ 1,379
Home Retrofits	EE	\$ 0.0968	\$ 484	\$ 0.1068	\$ 523	\$ 0.1068	\$ 521	\$ 0.1038	\$ 519
Quick Home Energy Check-Up	EE	\$ 0.0505	\$ 449	\$ 0.0540	\$ 612	\$ 0.0644	\$ 616	\$ 0.0593	\$ 551
Home Performance	EE	\$ 0.1429	\$ 468	\$ 0.1421	\$ 464	\$ 0.1406	\$ 458	\$ 0.1419	\$ 463
HVAC Rebates	EE	\$ 0.3123	\$ 667	\$ 0.3117	\$ 712	\$ 0.3171	\$ 732	\$ 0.3137	\$ 704
School and Education	EE	\$ 0.0358	\$ 494	\$ 0.0368	\$ 508	\$ 0.0371	\$ 512	\$ 0.0366	\$ 505
Residential New Construction	EE	\$ 0.0578	\$ 203	\$ 0.0581	\$ 208	\$ 0.0572	\$ 209	\$ 0.0577	\$ 207
Efficiency for Affordable Housing	EE	\$ 0.2258	\$ 1,220	\$ 0.2173	\$ 1,174	\$ 0.2176	\$ 1,176	\$ 0.2191	\$ 1,184
Behavioral	EE	\$ 0.0440	\$ 257	\$ 0.0460	\$ 268	\$ 0.0459	\$ 276	\$ 0.0453	\$ 789
DHCD Cross Promotion	EE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential Programs Subtotal	EE	\$ 0.5402	\$ 3,299	\$ 0.5488	\$ 3,344	\$ 0.5504	\$ 3,390	\$ 0.1407	\$ 775
Energy Efficient Products	Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0287)	\$ (263)	\$ (0.0378)	\$ (390)
Appliance Rebates (Electrification)	Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0287)	\$ (263)	\$ (0.0378)	\$ (390)
Residential Electrification Programs Subtotal	Electrification	\$ (0.0827)	\$ (871)	\$ (0.0391)	\$ (405)	\$ (0.0287)	\$ (263)	\$ (0.0378)	\$ (390)
Commercial and Industrial EE&C Programs									
Small Business	EE	\$ 0.0811	\$ 465	\$ 0.0820	\$ 471	\$ 0.0823	\$ 472	\$ 0.0818	\$ 469
Commercial Customer Engagement Portal	EE	\$ 1.0792	\$ -	\$ 1.0792	\$ -	\$ 1.0792	\$ -	\$ 1.0792	\$ -
Efficient Business Solutions	EE	\$ 0.4148	\$ 3,935	\$ 0.3966	\$ 3,914	\$ 0.3880	\$ 3,848	\$ 0.0755	\$ 169
Prescriptive	EE	\$ 0.1347	\$ 120	\$ 0.1223	\$ 113	\$ 0.1135	\$ 112	\$ 0.0657	\$ 348
Custom	EE	\$ 0.0965	\$ 86	\$ 0.0937	\$ 87	\$ 0.0926	\$ 91	\$ 0.0941	\$ 88
Virtual Commissioning	EE	\$ 0.1172	\$ 844	\$ 0.1140	\$ 820	\$ 0.1145	\$ 824	\$ 0.1151	\$ 829
Retrocommissioning and Building Tune-Up	EE	\$ 0.0665	\$ 2,885	\$ 0.0667	\$ 2,894	\$ 0.0673	\$ 2,921	\$ 0.0669	\$ 2,900
Combined Heat and Power	EE	\$ 0.0089	\$ 75	\$ 0.0090	\$ 76	\$ 0.0091	\$ 76	\$ 0.0090	\$ 76
Commercial Midstream	EE	\$ 0.0198	\$ 156	\$ 0.0208	\$ 164	\$ 0.0209	\$ 165	\$ 0.0205	\$ 162
Energy Efficient Communities	EE	\$ 0.0716	\$ 401	\$ 0.0603	\$ 525	\$ 0.0690	\$ 521	\$ 0.0639	\$ 483
Commercial and Industrial EE&C Programs Subtotal	EE	\$ 0.5545	\$ 2,111	\$ 0.5571	\$ 2,087	\$ 0.5574	\$ 2,111	\$ 0.5564	\$ 2,110
Commercial Building Electrification	Electrification	\$ (0.0111)	\$ (113)	\$ (0.0083)	\$ (87)	\$ (0.0075)	\$ (82)	\$ (0.0083)	\$ (89)
Commercial and Industrial Electrification Programs	Electrification	\$ (0.0111)	\$ (113)	\$ (0.0083)	\$ (87)	\$ (0.0075)	\$ (82)	\$ (0.0083)	\$ (89)
Energy Efficiency and Conservation Subtotal		\$ 0.9735	\$ 293	\$ 0.8871	\$ 324	\$ 0.8927	\$ 333	\$ 0.8845	\$ 320
Demand Response Programs									
Residential Demand Response Program		\$ 93.6901	\$ 86	\$ 95.9087	\$ 89	\$ 97.9686	\$ 90	\$ 96.1911	\$ 265
Small Commercial Demand Response Program		\$ 174.9987	\$ 72	\$ 183.8300	\$ 76	\$ 187.8125	\$ 77	\$ 184.3068	\$ 225
Demand Response Programs Subtotal		\$ 95.8932	\$ 85	\$ 98.2583	\$ 88	\$ 94.6610	\$ 89	\$ 96.5644	\$ 263
Other Programs									
Conservation Voltage Reduction		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Dynamic Pricing		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transformers		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Beneficial Electrification	Electrification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Programs Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EMPPOWER Maryland Portfolio Total									
All Program Total		\$ 0.6821	\$ 216	\$ 0.1035	\$ 241	\$ 0.1215	\$ 244	\$ 0.1013	\$ 294
Program Investigation Development and Design (PIDD)									
Energy Engineers									
Summer Energy Challenge									
Controlled Environment Agriculture									
PIDD Unidentified									
PIDD Programs Subtotal									