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September 14, 2023

VIA ELECTRONIC MAIL ONLY (dpu.efiling@mass.gov)

Mark D. Marini, Secretary
Department of Public Utilities
One South Station, 5th Floor
Boston, MA 02110

Re: D.P.U. 23-58, Cape Light Compact JPE Petition for Approval of Mid-Term Modifications of its 2022-2024 Three-Year Energy Efficiency Plan

Dear Secretary Marini:

On behalf of the Cape Light Compact JPE (the "Compact"), enclosed for filing please find the Compact's Petition for Approval of Mid-Term Modifications of Its 2022-2024 Three-Year Energy Efficiency Plan ("Petition"), as approved in *Cape Light Compact JPE*, 21-126 (2022) and *Cape Light Compact JPE* 22-137 (2023). The Compact is submitting this Petition pursuant to the Energy Efficiency Guidelines promulgated by the Department of Public Utilities ("Department") in *Investigation by the Department of Public Utilities on its own Motion into Updating its Energy Efficiency Guidelines, D.P.U. 20-150-A (2021)* ("Guidelines") and D.P.U. 21-126.[1]

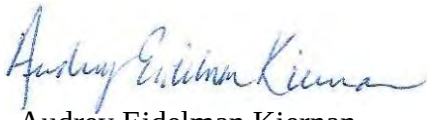
In support of this Petition, enclosed please find the following: 1) Exhibit CLC-1 (Pre-Filed Testimony of Margaret T. Downey); 2) Exhibit CLC-2 (Table of Budget, Savings, Benefits and Cost-Effectiveness); 3) Exhibit CLC-3 (Bill Impacts); and 4) Exhibit CLC-4 (Narrative Description of Mid-Term Modifications). This filing also includes the Affidavit of Margaret T. Downey, notice of appearance of counsel and a certificate of service.

A check in the amount of $100.00 for the filing fee will be sent under separate cover.

[1] Consistent with the Guidelines and D.P.U. 21-126, the Compact is filing this Petition with the Department and the Energy Efficiency Advisory Council ("Council") contemporaneously. The Compact will present its proposed mid-term modifications to the Council at the Council's September 20, 2023 meeting and anticipates that the Council will vote on the Compact's proposal at the Council's October 18, 2023 meeting.

Please contact me if you have any questions. Thank you for your attention to this matter.

Sincerely,



Audrey Eidelman Kiernan

AEK/drb
Enclosures

cc: Jeffrey Leupold, Esq., DPU Hearing Officer (w/enc.) (via email only)
Stephanie Mealey, Esq., DPU Hearing Officer (w/enc.) (via email only)
Krista Hawley, Esq., DPU Hearing Officer (w/enc.) (via email only)
Jeanne Voveris, Esq., DPU (w/enc.) (via email only)
Elizabeth Anderson, Esq., Office of the Attorney General (w/enc.) (via email only)
Rachel Graham Evans, Esq., Department of Energy Resources (w/enc.) (via email only)
Jerrold Oppenheim, Esq., LEAN (w/enc.) (via email only)
Energy Efficiency Advisory Council (w/enc.) (via email only)
D.P.U. 21-126 Service List (w/enc.) (via email only)
Margaret T. Downey, Compact Administrator (w/enc.) (via email only)

THE COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF PUBLIC UTILITIES

Petition of the Cape Light Compact JPE for Approval by the Department of Public Utilities of its Proposed Mid-Term Modifications for the 2022-2024 Three Year Energy Efficiency Plan	)))))	D.P.U. 23-58

PETITION FOR APPROVAL OF MID-TERM MODIFICATIONS TO THE CAPE LIGHT COMPACT JPE'S 2022-2024 THREE YEAR ENERGY EFFICIENCY PLAN

The towns of Aquinnah, Barnstable, Bourne, Brewster, Chatham, Chilmark, Dennis, Edgartown, Eastham, Falmouth, Harwich, Mashpee, Oak Bluffs, Orleans, Provincetown, Sandwich, Tisbury, Truro, West Tisbury, Wellfleet and Yarmouth, and Dukes County organized and operating collectively as the Cape Light Compact JPE (the "Compact") respectfully request approval from the Department of Public Utilities (the "Department") of mid-term modifications ("MTM(s)") to the Compact's 2022-2024 Three-Year Energy Efficiency Plan ("Three-Year Plan"), as approved in *Cape Light Compact JPE*, D.P.U. 21-126 (2022) and *Cape Light Compact JPE,* D.P.U. 22-137 (2023), for effect in the 2023 plan year. The Compact requests this MTM pursuant to §3.8.2(c) of the Department's Energy Efficiency Guidelines ("Guidelines") approved in *Investigation by the Department of Public Utilities on its own Motion into Updating its Energy Efficiency Guidelines,* D.P.U. 20-150-A (2021) and pursuant to the 2022-2024 Three Year Plans Order, D.P.U. 21-120 through D.P.U. 21-129 at 225, n.138 (January 31, 2022) ("Three-Year Plans Order"). In support of this Petition, the Compact states the following:

1. The Compact is a municipal aggregator pursuant to G.L. c. 164, §134 and a joint powers entity organized pursuant to G.L. c. 40, §4A1/2 and G.L. c. 164, §134. The Compact's

Aggregation Plan was approved by the Department in D.T.E. 00-47 (August 10, 2000) and revisions to its Aggregation Plan were approved in D.P.U. 14-69 (2015) and most recently approved in D.P.U. 14-69-B (February 2, 2023). The Compact maintains a business office at 261 Whites Path, Unit #4, South Yarmouth, MA 02664.

2. The design, implementation, and cost recovery of the Compact's energy efficiency programs are subject to the jurisdiction of the Department under the provisions of G.L. c. 164, §134 and G.L. c. 25, §§19, 21.

3. The Department approved the Compact's Three-Year Plan for the calendar years 2022 through 2024, which provides energy efficiency programs for the Compact's residential, commercial and industrial ("C&I") and income-eligible sectors. D.P.U. 21-126. The Department also approved the Compact's Cape & Vineyard Electrification Offering for the calendar years 2023 through 2024 in D.P.U. 22-137.

4. Pursuant to the Guidelines, a Program Administrator may propose for review and approval by the Department (and at the same time, the Energy Efficiency Advisory Council) ("Council"), significant modifications to its three-year plan, including an increase or decrease to a three-year term sector budget that is greater than 10 percent. Guidelines at §3.8.2(c).

5. For the 2022-2024 term, the Department has determined that a Program Administrator may not exceed its planned program budget without approval by the Department. Three-Year Plans Order at 225, n.138. In addition, to qualify for a program budget modification, the Program Administrator must demonstrate that an increase in budget results in an increase in kWh or therm savings. *Id*., n.139. A Program Administrator that projects it will exceed a program-level budget must simultaneously submit any proposed budget change for review by the Council and review and approval by the Department. *Id*.

6. By this Petition, the Compact requests:

- a three-year term budget increase of $1,524,986 for its Residential Hard-to-Measure Program (an 11% increase);
- a three-year term budget increase of $84,568 for its Income Eligible Hard-to-Measure Program (an 8% increase);
- a three-year term budget increase of $18,161,860 for its Income Eligible Existing Buildings Program (a 93% increase); and
- a three-year term budget decrease of $13,592,418 for its C&I sector (a 24% decrease).

7. The Compact has included with this Petition the following Exhibits:

- Exhibit CLC-1 (Pre-filed Testimony of Margaret T. Downey);
- Exhibit CLC-2 (Table of Budget, Savings, Benefits, and Cost-Effectiveness);
- Exhibit CLC-3 (Bill Impacts); and
- Exhibit CLC-4 (Narrative Description of MTM).

8. In accordance with the Guidelines, §3.8.2(c) and the Three-Year Plans Order at 225, n.138, the Compact is submitting this Petition and the accompanying exhibits concurrently to the Department and the Council.

9. This Petition is consistent with G.L. c. 25, §21(b)(1), which requires that municipal aggregators with certified efficiency plans pursue "the acquisition of all available energy efficiency and demand reduction resources," as well as with the Department's Guidelines for MTMs and additional and supplanting Department directives on MTMs in the Three-Year Plans Order.

WHEREFORE, the Compact respectfully requests that the Department:

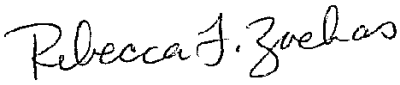
(a) approve the Compact's proposed modifications to its Three-Year Plan budget as set forth herein; and

(b) provide such other and further relief as may be necessary or appropriate.

Respectfully Submitted,

CAPE LIGHT COMPACT JPE

By its attorneys,



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Dated: September 14, 2023

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES

Petition of the Cape Light Compact JPE for Approval by the Department of Public Utilities of its Proposed Mid-Term Modifications for the 2022-2024 Three Year Energy Efficiency Plan	)))))	D.P.U. 23-58

PRE-FILED TESTIMONY OF

MARGARET T. DOWNEY

ON BEHALF OF

CAPE LIGHT COMPACT JPE

TABLE OF CONTENTS

I. INTRODUCTION TO TESTIMONY

Q. Ms. Downey, please state your name, business address and employer.

A. My name is Margaret T. Downey. My business address is c/o Cape Light Compact JPE (the "Compact"), 261 Whites Path, Unit 4, South Yarmouth, MA 02664. I am employed by the Compact and serve as the Compact Administrator. I have served in this position since the Compact's inception in 1997.

Q. Have you previously testified before this or any other Commission?

A. Yes. I have previously testified before the Department of Public Utilities (the "Department" or "DPU") on behalf of the Compact in its 2013-2015, 2016-2018, 2019-2021 and 2022-2024 Energy Efficiency Plan proceedings. These proceedings were docketed, respectively, as *Cape Light Compact*, D.P.U. 12-107, *Cape Light Compact*, 15-166, *Cape Light Compact JPE*, D.P.U. 18-116 and *Cape Light Compact JPE*, D.P.U. 21-126. I have also testified before the Department in other energy efficiency proceedings related to the three-year plans, such as *Cape Light Compact JPE*, D.P.U. 19-96 and *Cape Light Compact JPE*, D.P.U. 22-116.

Q. Please summarize the testimony in this document.

A. This testimony supports the Compact's request for mid-term modifications ("MTM(s)") to its 2022-2024 Three-Year Energy Efficiency Plan ("Three-Year Plan"), pursuant to section 3.8.2(c) of the Department's energy efficiency guidelines issued in *Investigation by the Department of Public Utilities on its own Motion into Updating its Energy Efficiency Guidelines*, D.P.U. 20-150-A (2021) ("Guidelines"), which requires Department approval and Energy Efficiency Advisory Council ("Council") review of an

increase or decrease to a three-year term sector budget that is greater than 10 percent. The Compact is also seeking approval from the Department for the MTMs pursuant to *Three-Year Plans Order*, D.P.U. 21-120 through D.P.U. 21-129 ("Three-Year Plans Order") at 225, n.138, 139 (2022), wherein the Department required that a program administrator ("Program Administrator" or "PA") of energy efficiency that projects it will exceed a program-level budget over the three-year term, submit such budget increase request simultaneously to the Department for approval and to the Council for review. The Department also determined that to qualify for a program budget modification, the Program Administrator must demonstrate that an increase in budget results in an increase in kilowatt-hour ("kWh") or therm savings. Three-Year Plans Order at 225.

Q. Has the Compact coordinated with other Program Administrators in preparing its MTM request?

A. Yes. The Compact shared an early draft of this testimony with all Program Administrators and has worked with all Program Administrators on a consistent approach to presenting MTM data to the Department. Thus, the Compact has modeled its filing consistent with that of other Program Administrators currently before the Department requesting approval of similar MTMs. The Compact will present its MTMs at the full Council meeting on September 20, 2023. On information and belief, the Compact anticipates that the Council will vote on the MTM at the full EEAC meeting on October 18, 2023, along with its planned vote on the MTM requests of Liberty Utilities (New England Natural Gas Company) Corp. d/b/a Liberty and The Berkshire Gas Company currently pending before the Department.

Q. Please describe the Compact's requested MTM.

A. Specifically, the Compact is seeking:

- A three-year term budget increase of $1,524,986 for its Residential Hard-to-Measure Program (an 11% increase);
- A three-year term budget increase of $84,568 for its Income Eligible Hard-to-Measure Program (an 8% increase);
- A three-year term budget increase of $18,161,860 for its Income Eligible Existing Buildings Program (a 93% increase); and
- A three-year term budget decrease of $13,592,418 for its Commercial & Industrial ("C&I") sector (a 24% decrease).

Q. Are you providing any exhibits with your testimony?

A. Yes. In addition to this testimony (Exhibit CLC-1), the exhibits include:

- Exhibit CLC-2 (Table). Exhibit CLC-2 provides a comparison of the budget, savings, benefits, and cost-effectiveness between the Department-approved Plan (as well as the Cape & Vineyard Electrification Offering ("CVEO") approved in *Cape Light Compact JPE*, D.P.U. 22-137 (2023)) and the requested MTMs by core initiative.
- Exhibit CLC-3 (Bill Impacts). Exhibit CLC-3 provides a bill impact analysis for all customer classes between the Energy Efficiency Surcharges ("EES") as included in the Compact's April 1, 2022 Compliance Filing in D.P.U. 21-126 (and CVEO as approved in D.P.U. 22-137) and the budget associated with the MTMs requested. It is important to note that these bill impacts are provided for illustrative purposes only, to allow comparison between the budgets filed and approved in the April 1, 2022 Compliance Filing in D.P.U. 21-126 and the CVEO filing in D.P.U. 22-137 versus what would have been filed had the original budget included this requested MTM. In

fact, the actual EES rates for 2022 and 2023 as filed in *Cape Light Compact JPE*, D.P.U. 21-119 (2021), *Cape Light Compact JPE*, D.P.U. 22-135 (2022), and *Cape Light Compact JPE*, D.P.U. 23-40 (2023) were different than what was included in the bill impact analysis included in D.P.U. 21-126 and D.P.U. 22-137.

- Exhibit CLC-4 (Narrative Description of MTM).

Q. Will the Department's approval of any of the requested MTMs affect the cost-effectiveness of the Compact's programs or sectors?

A. No. The Compact projects that all sectors will be cost-effective for the Three-Year Plan term and that all programs will also be cost-effective.

II. THE MTM REQUESTS

A. Residential Hard-to-Measure Program Budget Increase Request.

Q. Do the Program Administrators Offer a Residential Hard-to-Measure Program?

A. There is no official Residential Hard-to-Measure Program. Rather, there are 10 Hard-to-Measure Core Initiatives offered in the Residential sector that fall under the category of Residential Hard-to-Measure in the data tables. For purposes of this testimony and the Compact's MTM request, the Compact is referring to this group of Residential core initiatives as the "Residential Hard-to-Measure Program." The Compact believes the Department's directive in footnote 139 of the 2022-2024 Three-Year Plans Order was intended to include the Residential Hard-to-Measure Program.

Q. Please describe the purpose of the Residential Hard-to-Measure Program.

A. The Residential Hard-to-Measure Program includes the following core initiatives that support the Compact's implementation of its Three-Year Plan:

- Statewide Marketing
- Statewide Database
- DOER Assessment
- Sponsorships and Subscriptions
- Workforce Development
- Evaluation and Market Research
- EEAC Consultants
- R&D Demonstration
- HEAT Loan
- Education

While these core initiatives do not by themselves directly produce savings, they contribute to or facilitate the PAs' achievement of their goals. *See* D.P.U. 21-120 through D.P.U. 21-129, Exhibit 1 at 187-88 for additional detail on these core initiatives.

Q. What was the original budget approved by the Department for the Compact's Residential Hard-to-Measure Program?

A. The Compact's budget filed in D.P.U. 21-126 on April 1, 2022, together with the budget approved for CVEO in D.P.U. 22-137 is $13,414,601.

Q. Please describe what has prompted the Compact's Residential Hard-to-Measure Program budget increase request.

A. The primary driver of this budget increase is higher than planned for customer participation in the Mass Save® HEAT Loan ("HEAT Loan"). The HEAT Loan offers interest-free financing opportunities up to $25,000, with terms up to seven years, depending on the loan provider. The "incentive" associated with the HEAT Loan is the electric Program Administrators buy-down of the interest on the loan. HEAT Loan financing is available for energy-efficient home upgrades like the installation of air source heat pumps (central or ductless mini-split), ground source heat pumps, heat pump water heaters, insulation and more.

During the Three-Year Plan term, the electric Program Administrators are offering an electrification HEAT Loan of up to an additional $25,000 (for a total of $50,000), including up to $5,000 for electrification barriers such as electrical panel upgrades, for customers who install heat pumps in their home.

The HEAT Loan is an exception to the general energy efficiency implementation protocol whereby the gas Program Administrators are responsible for planning, paying for, administering and claiming savings from energy efficiency measures offered to customers that heat with natural gas. Three-Year Plans Order at 277-78 (requiring the Compact to adhere to the statewide coordination protocol for shared costs and savings will obviate any concern about improper subsidization of energy efficiency programs for gas heating customers). Contrary to this approach, the electric Program Administrators administer the HEAT Loan for both electric and natural gas heated customers.

Q. Was the increased spending under the HEAT Loan foreseeable?

A. No. In general, customers are financing higher amounts through the HEAT Loan than in previous years, and higher amounts than the Compact expected when planning the HEAT Loan budget for the Three-Year Plan term. Further, the prime interest rate has significantly increased from 3.25% in 2021 at the time of the Three-Year Plan filing, to 4.85% in 2022 and to 8.50% in 2023[1], adding to the larger expenditures for this offering than originally planned. As a result of these changes, in 2022, the Compact saw an increase of about $550,000 in HEAT Loan costs over planned.

[1] As of September 1, 2023, see https://www.federalreserve.gov/releases/h15/.

Q. What is the requested increase to the Residential Hard-to-Measure Program budget?

A. The Compact is requesting an increase of approximately $1.5 million over the three-year term, which would bring the total Residential Hard-to-Measure Program budget to $14,939,586 (an 11% increase).

Q. Will the requested increase in the Residential Hard-to-Measure Program budget result in additional kWh or therm savings?

A. No. By definition, a Hard-to-Measure Energy Efficiency Program "refers to programs that have costs but do not have direct energy savings or whose energy savings may be difficult to quantify." Guidelines, §2.

Q. If there are no savings associated with the increase in the Residential Hard-to-Measure Program budget, how does the budget increase otherwise benefit ratepayers?

A. The funding increase will support the increased customer demand for use of the HEAT Loan to finance the installation of energy efficiency measures, which themselves may result in kWh savings and/or greenhouse gas ("GHG") emissions reductions. The zero-interest HEAT Loan has been very popular and enables customers to implement energy efficiency measures that would otherwise be cost-prohibitive (when looking at the upfront costs of a particular measure or group of measures).

Q. What are the implications to the Compact and its customers should the MTM not be approved?

A. The Compact would need to review and propose revisions to the overall design of the HEAT Loan to consider whether there were any ways to reduce costs. Some options the Compact could consider include, shifting budget within the Residential sector away from

other initiatives towards HEAT Loan, reducing or suspending HEAT Loan financing for measures installed in homes heated with natural gas (homes where the energy efficiency costs and savings are otherwise supported by the gas Program Administrators), or reducing or suspending the HEAT Loan to all customers for the remainder of the Three-Year Plan term.

B. Income Eligible Hard-to-Measure Program Budget Increase Request.

Q. Do the Program Administrators Offer an Income Eligible Hard-to-Measure Program?

A. There is no official Income Eligible Hard-to-Measure Program. Rather, there are seven Hard-to-Measure Core Initiatives offered in the Income Eligible sector, that fall under the category of Income Eligible Hard-to-Measure in the data tables. For purposes of this testimony and the Compact's MTM request, the Compact is referring to these core initiatives as the "Income Eligible Hard-to-Measure Program." The Compact believes the Department's directive in footnote 139 of the 2022-2024 Three-Year Plans Order was intended to include the Income Eligible Hard-to-Measure Program.

Q. Please describe the purpose of the Income Eligible Hard-to-Measure Program.

A. The Income Eligible Hard-to-Measure Program includes the following core initiatives that support the Compact's implementation of the Three-Year Plan:

- Statewide Marketing
- Statewide Database
- DOER Assessment
- Sponsorships and Subscriptions
- Workforce Development
- Evaluation and Market Research
- Low-Income Energy Affordability Network ("LEAN")

While these core initiatives do not by themselves directly produce savings, they contribute to or facilitate the PAs' achievement of their goals. *See* D.P.U. 21-120 through D.P.U. 21-129, Exhibit 1 at 187-88 for additional detail on these core initiatives.

Q. What was the original budget approved by the Department for the Compact's Income Eligible Hard-to-Measure Program?

A. The Compact's budget filed in D.P.U. 21-126 on April 1, 2022 is $998,301.

Q. Please describe what has prompted the Compact's Income Eligible Hard-to-Measure Program budget increase request.

A. The key driver is the demand for additional evaluation, measurement and verification ("EM&V") activities.

Q. Was the increased spending for EM&V foreseeable?

A. No. The Compact planned for its share of EM&V costs based on the planning information available at the time of filing the Three-Year Plan. Since the Compact's initial plan filing, additional EM&V studies were required of the PAs, resulting from the Department's Three-Year Plans Order and additional studies were requested by the Department of Energy Resources, which has increased the Compact's share of EM&V costs.

Q. What is the requested budget increase for the Compact's Income Eligible Hard-to-Measure Program?

A. The Compact is requesting an increase of approximately $85,000 over the three-year term, which would bring the total Income Eligible Hard-to-Measure Program budget to $1,082,869 (an 8% increase).

Q. Will the requested increase in the Income Eligible Hard-to-Measure Program budget result in additional kWh or therm savings?

A. No. By definition, a Hard-to-Measure Energy Efficiency Program "refers to programs that have costs but do not have direct energy savings or whose energy savings may be difficult to quantify." Guidelines, §2.

Q. If there are no savings associated with the increase in the Income Eligible Hard-to-Measure Program budget, how does the budget increase otherwise benefit ratepayers?

A. EM&V is essential to the energy efficiency program lifecycle, from conducting market research in support of new program designs, to developing program theory, to assessing demonstration projects for new offers, and ultimately evaluating verified savings and benefits from mature programs. See Three-Year Plan, Exhibit 1, Appendix H at 4. EM&V activities are also directly tied to satisfying the key priorities of the Three-Year Plan. *Id*. To support electrification, EM&V expenditures help quantify and document the conditions under which heat pumps benefit customers and save energy, barriers to heat pump adoption, and progress toward transforming the HVAC market to favor heat pump adoption. *Id*. On equity, EM&V expenditures result in research to support expanding participation among key demographic groups, such as renters, and English-isolated customers, groups which have been less likely to participate in programs in the past. *Id*. As the Program Administrators have prioritized programs that create a more diverse workforce that is prepared to support future energy efficiency goals, EM&V expenditures are necessary to clarify program theory, identify indicators of success, and track progress over time. *Id*.

Q. What are the implications to the Compact and its customers should the MTM not be approved?

A. The Compact would need to recommend to EM&V vendors that the scope of work under certain evaluations be scaled back, and/or that certain evaluations not be undertaken. The Compact may not be able to complete studies that are underway (including those required by the Department). In addition, the Compact would have to stop paying its allocated share of some statewide EM&V costs, which would have implications for all Program Administrators.

C. <u>Income Eligible Existing Buildings Program Budget Increase Request</u>.

Q. Please describe the purpose of the Income Eligible Existing Buildings Program.

A. The Income Eligible Existing Buildings Program is comprised of the Income Eligible Coordinated Delivery Initiative and the Income Eligible Active Demand Reduction Initiative, which provide cost-effective, energy efficiency products and services to income eligible residential customers in a fuel-blind approach. The Three-Year Plan defines income eligible as at or below 60% of the state median income level for 1-4 unit buildings and having at least 50% of units be at or below 60% of the area median income level for 5+ unit buildings. Customers that qualify for the utility discount rate are also considered income eligible. The Income Eligible Coordinated Delivery Initiative is administered in coordination with LEAN. See D.P.U. 21-120 through D.P.U. 21-129, Exhibit 1 at 108-11 for a detailed description of the Income Eligible Existing Buildings Program.

Q. What was the original budget approved by the Department for the Compact's Income Eligible Existing Buildings Program?

A. The Compact's budget filed in D.P.U. 21-126 on April 1, 2022, together with the budget approved for CVEO in D.P.U. 22-137 is $19,482,802.

Q. Please describe what has prompted the Compact's Income Eligible Existing Buildings Program budget increase request?

A. The primary driver of the requested budget increase is the cost of heat pump installations.

Q. Was the increased cost of heat pump installations foreseeable?

A. No. The Compact's planning for heat pump installation costs was in alignment with the other PAs. Based on experience in 2022 and during the first half of 2023, on average, the Compact is seeing installed heat pump costs more than double what was planned for in income eligible single-family homes on Cape Cod and Martha's Vineyard. Because heat pumps made up more than half of the Compact's planned spending for the Income Eligible Existing Buildings Program, the increase in per-unit costs has a significant impact on the total budget. Other drivers of this budget request include improved weatherization results due to the combination of increased R-value guidelines and by addressing more weatherization barriers such as vermiculite and mold, both of which are new to the 2022-2024 Three-Year Plan term.

Q. Does the Compact pair weatherization services with heat pump installation when serving income eligible customers?

A. Yes. The Compact is operating in accordance with the Department's directive in the Three-Year Plans Order which requires Program Administrators to weatherize low-

income buildings prior to installing heat pumps, unless specific conditions make this impractical. Three-Year Plans Order at 110.

Q. What is the requested budget increase for the Compact's Income Eligible Existing Buildings Program?

A. The Compact is requesting a three-year term budget increase of approximately $18 million for its Income Eligible Existing Buildings Program, which would bring the total Income Eligible Existing Buildings Program budget to $37,644,662 (a 93% increase).

Q. Will the requested increase in Income Eligible Existing Buildings Program budget result in additional kWh or therm savings?

A. No. Currently, the Compact projects that its lifetime kWh savings for the Income Eligible Existing Buildings Program will decrease by about 30% compared to plan. This is due to greater demand for oil and propane conversion to electric heat pumps than planned for, which yields negative electric savings. Specifically, lower than planned lifetime savings is driven by several factors, including:

- A greater number of heat pump water heaters replaced oil or propane water heaters rather than electric water heaters. Fossil fuel conversions provide increased benefits and GHG reductions but not increased electric savings;
- Fewer process measures, which target electric savings, than planned due in part to a renewed backlog in appliance supply and availability; and
- Fewer lighting measures than planned.

Q. If there are no additional electric savings associated with the increase in the Income Eligible Existing Buildings Program budget, how does the budget increase otherwise benefit ratepayers?

A. The Compact, together with the other Program Administrators, is making a concerted effort to promote electrification, particularly in instances where customer economics and

building characteristics are favorable. See D.P.U. 21-126, Exh. 1 at 13; *Cape Light Compact JPE*, D.P.U. 23-60 Appendix 1A at 1.

Specifically, customers who currently heat with oil, propane, or electric resistance are more likely to realize reduced heating costs from electrification, especially when electrification is coupled with weatherization, and the Compact is implementing weatherization measures with electrification as directed by the Department. D.P.U. 21-120 through D.P.U. 21-129 at 107. While there may not be increased electric savings associated with the additional budget request, continued implementation of the Income Eligible Existing Buildings Program will help move customers towards building decarbonization, a goal of the Commonwealth.

Towards this end, the additional budget will achieve additional GHG emissions reductions, which will help support achievement of the goals the Program Administrators are required to meet pursuant to 2021 climate legislation, St. 2021, c. 8, §106. The additional budget will more than double the Compact's planned GHG emissions reductions for the income eligible sector (the 2030 avoided CO2e metric tons), from ~1,300 metric tons to a total of ~2,800 metric tons. Moreover, installation of heat pumps provides a benefit to the entirety of the Commonwealth in that heat pumps are one of the lower cost ways of achieving GHG emissions reductions. Absent the heat pump incentives provided by the Program Administrators, the Commonwealth would need to implement other, more expensive GHG emissions reductions efforts. Please see Exhibit CLC-2 for additional information.

Finally, historically, the Compact has had trouble spending its statutorily required spending levels for income eligible customers. This budget increase will allow the Compact to revisit income eligible customers with remediation of pre-weatherization barriers, enhanced weatherization, and electrification.

Q. Would it be possible for the Compact to continue to operate the Income Eligible Existing Buildings Program within the confines of the original budget as approved by the Department?

A. No. Through August 2023, the Compact has expended approximately 79% of its 2022-2024 planned Income Eligible Existing Buildings Program budget. Without changes to the program or core initiative design, the Compact will not be able to operate the Income Eligible Existing Buildings Program as approved in D.P.U. 21-126. In order to implement all measures currently being offered statewide, and to continue to serve customers seeking both electrification and non-electrification measures in the Income Eligible Existing Buildings Program, and the Income Eligible Coordinated Delivery Initiative, the Compact requires additional funding.

Q. What are the implications to the Compact and its customers should the MTM not be approved?

A. The Compact would need to stop offering heat pump electrification to customers in the Income Eligible Existing Buildings Program and turn away income eligible heat pump conversion candidates, including many customers who are currently waiting in the queue. The Compact may not be able to achieve the legislatively mandated GHG emissions reductions goals it planned for the Three-Year Plan term. These modifications to the

program will also undoubtedly cause disruption in the marketplace, including dissatisfied customers and contractors.

D. C&I Sector Budget Decrease Request.

Q. Please generally describe the C&I sector.

A. The Program Administrators serve a wide array of C&I customer types, including microbusiness, small business, medium business and large business. These customer types also span diverse industries, including business services, education, health care, hospitality, manufacturing, offices, public services, retail and wholesale. The Program Administrators utilize several pathways to serve customers in the C&I sector, including the midstream pathway (a point-of-sale approach), downstream pathway (a prescriptive, equipment-based approach), and the custom pathway (a project-based approach).

It is important to note that planning and budgeting for serving the C&I sector presents unique challenges, especially in a service territory like the Compact's. These challenges include: (1) the lack of availability of a skilled workforce, specifically, electricians and HVAC contractors, which has led to a back log in installation approved jobs; (2) a significantly higher cost of "doing business" on Cape Cod and Martha's Vineyard, which leads to customer economic constraints; and (3) the seasonality of many of the Compact's small businesses, which results in shorter windows of time to engage customers. The sector is volatile given that the loss of one or more planned large projects can have a significant effect on the sector level budget.

Q. What is the original budget approved by the Department for the Compact's C&I sector?

A. The Compact's budget filed in D.P.U. 21-126 on April 1, 2022 is $56,915,139.

Q. Please describe what has prompted the Compact's C&I Sector budget decrease request.

A. Throughout the course of 2022, the Compact continued to experience material and labor shortages, as well as rising prices for materials and equipment resulting from the COVID-19 pandemic. The result is a delay of program implementation, where projects took longer than expected to move forward or did not move forward at all as they were too costly and the economics were unreasonable for the customer to proceed (even when coupled with the energy efficiency incentives offered by the Compact).

While material and equipment availability has improved in 2023, labor shortages are still prohibiting many projects across the C&I sector from being installed in a timely manner, which has resulted in decreased spending within the sector compared to what was planned. Also, the weatherization offering, which was initially planned for earlier in 2022, did not commence until the Fall of 2022 and additional time has been spent training vendors on offerings in order to ramp up these efforts.

Q. Is the Compact undertaking all reasonable efforts to try and increase C&I sector level spending for the remainder of the Three-Year Plan term?

A. Yes. In order to increase participation, savings and spending, the Compact is revisiting proposals where small business customers have not moved forward with recommended improvements and notifying them of the incentives now available.

The Compact has added additional Main Streets efforts in 2023 beyond what was originally planned, for a total of 13 events (seven events in the Spring and six events in the Fall). These efforts are targeted at customers who have not participated in an energy efficiency assessment within the last two years and are targeted in areas that have not had high participation in the past. In advance of a Main Streets event, the Compact sends two direct mailings to customers alerting them of the event, and also undertakes outreach in-person to sign-up interested businesses for an energy assessment. The 2023 Main Streets events to date have produced a great response and additional program engagement.

The Compact is reviewing historical customer participation data and identifying customers that are non-profit, in order to help such customers take advantage of the enhanced incentives offered by the Compact. The Compact is also reviewing historical data to identify customers with large energy use (within the parameters of the Compact's small business turnkey offering for customers using under 1.5 million kWh per year), to consider whether additional energy efficiency opportunities are available.

The Compact's small business vendor hired an outreach specialist in late 2022, to identify opportunities and recruit businesses to participate in the Compact's programs. The Compact also sends information regularly to each of the Chambers of Commerce on Cape Cod and Martha's Vineyard to promote offers that are available to businesses regardless of whether they rent or own their business location.

Finally, the Compact continues to work closely with its largest customers on energy plans and identifying areas and opportunities for electric energy efficiency measures.

All of these efforts have generated additional work within the C&I programs in 2023. Unfortunately, however, the Compact projects that even with this added participation, the Compact will not be able to make up for the 2022 spending deficit it encountered (due to the labor and material shortages and related project delays) over the remainder of the Three-Year Plan term.

Q. What is the requested budget decrease for the Compact's C&I sector?

A. The Compact is requesting a three-year term budget decrease of approximately $13.6 million for its C&I sector, which would bring the total C&I sector budget to $43,322,721 (a 24% decrease).

Q. Will the Compact achieve its C&I sector electric kWh savings goals even with the requested budget reduction?

A. The Compact projects that it will have slightly less electric kWh savings than originally planned. While the Compact proposes to reduce its budget by 24%, there is a minor reduction of 3% in electric kWh savings.

III. CONCLUSION

Q. Is the Compact requesting any changes to its approved savings goals associated with these MTMs?

A. No. The Compact is not requesting changes to its approved savings goals. The Compact does not intend on revising its approved Three-Year Plan to reflect these MTMs. Rather, all future reporting on its Three-Year Plan will report and compare actual results to the Department's already approved budgets and goals. Any variances related to the proposed budget increases or decreases will be explained by reference to these MTMs.

Q. Does this conclude your testimony?

A. Yes. It does.

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES

Petition of the Cape Light Compact JPE, for approval of a Mid-Term Modification of its 2022-2024 Three-Year Energy Efficiency Plan.	)))	D.P.U. 23-58

AFFIDAVIT OF MARGARET T. DOWNEY

Margaret T. Downey does hereby depose and say as follows:

I, Margaret T. Downey, certify that the Pre-Filed Testimony submitted on behalf of the Cape Light Compact JPE in the above-captioned proceeding, which bears my name, was prepared by me or under my supervision and is true and accurate to the best of my knowledge and belief.

Signed under pains and penalties of perjury.

Margaret T. Downey
Administrator, Cape Light Compact JPE

Dated: September 14, 2023

Program	Budget				Lifetime Savings (MWh)			Total Lifetime Savings (MMBTU)			2030 Avoided CO2e (Metric Tons)			Benefits			Total Resource Cost			BCR
	2022-2024 Approved	Proposed MTM	2022-2024 with Proposed MTM	% Of Goal	2022-2024 Approved	2022-2024 with Proposed MTM	% Of Goal	2022-2024 Approved	2022-2024 with Proposed MTM	% Of Goal	2022-2024 Approved	2022-2024 with Proposed MTM	% Of Goal	2022-2024 Approved	2022-2024 with Proposed MTM	% Of Goal	2022-2024 Approved	2022-2024 with Proposed MTM	% Of Goal	2022-2024 with Proposed MTM
	(a)	(b)	(c)	(c) ÷ (a)	(d)	(e)	(e) ÷ (d)	(f)	(g)	(g) ÷ (f)	(h)	(i)	(i) ÷ (h)	(j)	(k)	(k) ÷ (j)	(l)	(m)	(m) ÷ (l)	(k) ÷ (m)
A - Residential	**121,990,120**	**1,524,986**	**123,515,106**	**101%**	**(68,481)**	**(68,481)**	**100%**	**5,400,180**	**5,400,180**	**100%**	**25,112**	**25,112**	**100%**	**270,078,934**	**270,078,934**	**100%**	**135,058,638**	**135,058,638**	**100%**	**2.00**
A1 - Residential New Buildings	13,912,091	-	13,912,091	100%	9,662	9,662	100%	450,448	450,448	100%	1,286	1,286	100%	22,972,317	22,972,317	100%	13,030,361	13,030,361	100%	1.76
A1a - Residential New Homes & Renovations	13,912,091	-	13,912,091	100%	9,662	9,662	100%	450,448	450,448	100%	1,286	1,286	100%	22,972,317	22,972,317	100%	13,030,361	13,030,361	100%	1.76
A2 - Residential Existing Buildings	94,663,428	-	94,663,428	100%	(78,143)	(78,143)	100%	4,949,733	4,949,733	100%	23,827	23,827	100%	247,106,617	247,106,617	100%	108,879,286	108,879,286	100%	2.27
A2a - Residential Coordinated Delivery	51,032,032	-	51,032,032	100%	171,912	171,912	100%	3,160,932	3,160,932	100%	8,369	8,369	100%	133,374,977	133,374,977	100%	51,931,663	51,931,663	100%	2.57
A2b - Residential Conservation Services (RCS)	5,779,853	-	5,779,853	100%	-	-		-	-		-	-		-	-		5,668,735	5,668,735	100%	-
A2c - Residential Retail	36,039,075	-	36,039,075	100%	(250,033)	(250,033)	100%	1,788,994	1,788,994	100%	15,458	15,458	100%	110,196,694	110,196,694	100%	49,505,105	49,505,105	100%	2.23
A2d - Residential Behavior	-	-	-		-	-		-	-		-	-		-	-		-	-		
A2e - Residential Active Demand Reduction	1,812,468	-	1,812,468	100%	(23)	(23)	100%	(193)	(193)	100%	-	-		3,534,947	3,534,947	100%	1,773,784	1,773,784	100%	1.99
A3 - Residential Hard-to-Measure	13,414,601	1,524,986	14,939,586	111%													13,148,990	14,639,194	111%	-
B - Income Eligible	**20,481,103**	**18,246,428**	**38,727,531**	**189%**	**45,505**	**32,835**	**72%**	**525,209**	**781,903**	**149%**	**1,279**	**2,798**	**219%**	**32,908,048**	**43,269,648**	**131%**	**20,065,468**	**37,843,582**	**189%**	**1.14**
B1 - Income Eligible Existing Buildings	19,482,802	18,161,860	37,644,662	193%	45,505	32,835	72%	525,209	781,903	149%	1,279	2,798	219%	32,908,048	43,269,648	131%	19,086,792	36,782,361	193%	1.18
B1a - Income Eligible Coordinated Delivery	19,478,639	18,163,007	37,641,646	193%	45,505	32,836	72%	525,214	781,907	149%	1,279	2,798	219%	32,847,499	43,212,175	132%	19,082,716	36,779,431	193%	1.17
B1b - Income Eligible Active Demand Reduction	4,163	(1,147)	3,016	72%	(1)	(1)	100%	(5)	(5)	100%	-	-		60,549	57,473	95%	4,076	2,929	72%	19.62
B2 - Income Eligible Hard-to-Measure	998,301	84,568	1,082,869	108%													978,677	1,061,221	108%	-
C - Commercial & Industrial	**56,915,139**	**(13,592,418)**	**43,322,721**	**76%**	**233,720**	**226,548**	**97%**	**1,845,186**	**1,456,748**	**79%**	**3,747**	**1,927**	**51%**	**88,072,195**	**65,393,662**	**74%**	**57,222,324**	**45,122,913**	**79%**	**1.45**
C1 - C&I New Buildings	2,383,055	(389,783)	1,993,272	84%	36,208	36,387	100%	205,655	212,754	103%	174	206	118%	9,409,482	9,734,999	103%	2,205,367	1,963,839	89%	4.96
C1a - C&I New Buildings & Major Renovations	2,383,055	(389,783)	1,993,272	84%	36,208	36,387	100%	205,655	212,754	103%	174	206	118%	9,409,482	9,734,999	103%	2,205,367	1,963,839	89%	4.96
C2 - C&I Existing Buildings	50,694,856	(12,838,737)	37,856,119	75%	197,512	190,161	96%	1,639,531	1,243,994	76%	3,572	1,721	48%	78,662,713	55,658,663	71%	51,254,856	39,759,877	78%	1.40
C2a - C&I Existing Building Retrofit	38,763,743	(7,886,603)	30,877,141	80%	159,087	127,361	80%	1,233,554	791,907	64%	2,403	805	33%	54,887,844	34,671,655	63%	38,690,298	30,964,238	80%	1.12
C2b - C&I New & Replacement Equipment	10,870,641	(4,511,579)	6,359,062	58%	38,484	62,815	163%	406,517	452,219	111%	1,169	917	78%	19,525,996	19,292,241	99%	11,527,770	8,187,735	71%	2.36
C2c - C&I Active Demand Reduction	1,060,472	(440,555)	619,916	58%	(59)	(16)	26%	(540)	(132)	24%	-	-		4,248,872	1,694,766	40%	1,036,789	607,904	59%	2.79
C3 - C&I Hard-to-Measure	3,837,228	(363,898)	3,473,330	91%													3,762,101	3,399,198	90%	-
Grand Total	**199,386,361**	**6,178,996**	**205,565,357**	**103%**	**210,744**	**190,902**	**91%**	**7,770,575**	**7,638,831**	**98%**	**30,138**	**29,838**	**99%**	**391,059,176**	**378,742,243**	**97%**	**212,346,430**	**218,025,133**	**103%**	**1.74**

CAPE LIGHT COMPACT JPE
Summary of Bill Impact Analysis

Rate Class Information				Monthly Bill Comparison					
		Month		2022 Planned vs. 2022 MTM Change in Total Bill		2023 Planned vs. 2023 MTM Change in Total Bill		2024 Planned vs. 2024 MTM Change in Total Bill	
Rate		Avg kWh	Avg kW	Total Change	% Change	Total Change	% Change	Total Change	% Change
Rate R-1 Residential	R-1	516		0.81	0.46%	1.54	0.87%	2.33	1.28%
Rate R-2 Residential Assistance	R-2	488		0.40	0.41%	0.75	0.77%	1.22	1.26%
Rate R-3 Residential Space Heating	R-3	740		1.17	0.49%	2.21	0.93%	3.33	1.35%
Rate R-4 Residential Assistance Space Heating	R-4	874		0.70	0.44%	1.34	0.83%	2.19	1.36%
Rate G-1 Small General Service	G-1	400	2	(3.64)	-3.14%	0.90	0.72%	0.91	0.73%
Rate G-1 Small General Service	G-1	5,700	19	(51.81)	-3.44%	12.88	0.79%	12.88	0.79%
Rate G-1 Small General Service	G-1	10,800	27	(98.17)	-3.54%	24.41	0.81%	24.41	0.81%
Rate G-1 Seasonal Small General Service	G-1S	450	9	(4.09)	-2.77%	1.01	0.64%	1.02	0.64%
Rate G-1 Seasonal Small General Service	G-1S	1,200	8	(10.91)	-2.84%	2.71	0.66%	2.71	0.66%
Rate G-1 Seasonal Small General Service	G-1S	2,700	9	(24.54)	-3.06%	6.11	0.71%	6.10	0.70%
Rate G-2 Medium General Time-of-Use	G-2	61,500	205	(559.04)	-2.84%	138.99	0.66%	138.99	0.66%
Rate G-2 Medium General Time-of-Use	G-2	85,600	214	(778.11)	-2.94%	193.45	0.68%	193.46	0.68%
Rate G-2 Medium General Time-of-Use	G-2	126,500	253	(1,149.89)	-3.01%	285.89	0.70%	285.89	0.70%
Rate G-3 Large General Time-Of-Use	G-3	373,100	1,066	(3,391.48)	-3.01%	843.21	0.70%	843.21	0.69%
Rate G-3 Large General Time-Of-Use	G-3	354,600	788	(3,223.31)	-3.09%	801.40	0.71%	801.40	0.71%
Rate G-3 Large General Time-Of-Use	G-3	614,900	1,118	(5,589.44)	-3.16%	1,389.68	0.73%	1,389.67	0.73%
Rate G-4 General Power	G-4	7,800	52	(70.90)	-3.53%	17.63	0.81%	17.63	0.80%
Rate G-4 General Power	G-4	6,750	27	(61.36)	-3.76%	15.26	0.86%	15.25	0.85%
Rate G-4 General Power	G-4	9,450	27	(85.90)	-3.87%	21.35	0.88%	21.36	0.88%
Rate G-5 Commercial Space Heating	G-5	1,472		(13.38)	-3.22%	3.32	0.74%	3.32	0.74%
Rate G-6 All Electric Schools	G-6	60,748		(552.20)	-3.86%	137.29	0.88%	137.29	0.87%
Rate G-7 Optional General Time-of-Use	G-7	7,000	20	(63.63)	-3.47%	15.82	0.79%	15.82	0.79%
Rate G-7 Optional General Time-of-Use	G-7	15,500	31	(140.89)	-3.68%	35.03	0.84%	35.03	0.84%
Rate G-7 Optional General Time-of-Use	G-7	11,700	18	(106.36)	-3.80%	26.44	0.86%	26.44	0.86%
Rate G-7 Optional Seasonal General Time-of-Use	G-7S	450	9	(4.09)	-2.05%	1.01	0.48%	1.02	0.49%
Rate G-7 Optional Seasonal General Time-of-Use	G-7S	1,500	10	(13.63)	-2.98%	3.39	0.69%	3.39	0.69%
Rate G-7 Optional Seasonal General Time-of-Use	G-7S	3,900	13	(35.45)	-3.37%	8.82	0.77%	8.81	0.77%

The 2022 EES rates are provided for informational purposes, for effect January 1, 2022 through December 31, 2022.
The 2023 EES rates are provided for informational purposes, for effect January 1, 2023 through December 31, 2023.
The 2024 EES rates are provided for informational purposes, for effect January 1, 2024 through December 31, 2024.

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-1 Residential

		Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$22.99	$17.00	$39.99	$23.15	$17.00	$40.15	$0.16	0.4%
		200	$38.98	$34.00	$72.98	$39.30	$34.00	$73.30	$0.32	0.4%
		300	$54.97	$51.00	$105.97	$55.44	$51.00	$106.44	$0.47	0.4%
		400	$70.96	$68.00	$138.96	$71.59	$68.00	$139.59	$0.63	0.5%
		500	$86.95	$85.00	$171.95	$87.74	$85.00	$172.74	$0.79	0.5%
		600	$102.94	$101.99	$204.93	$103.89	$101.99	$205.88	$0.95	0.5%
		700	$118.93	$118.99	$237.92	$120.04	$118.99	$239.03	$1.11	0.5%
		800	$134.92	$135.99	$270.91	$136.18	$135.99	$272.17	$1.26	0.5%
		900	$150.91	$152.99	$303.90	$152.33	$152.99	$305.32	$1.42	0.5%
		1,000	$166.90	$169.99	$336.89	$168.48	$169.99	$338.47	$1.58	0.5%
		1,250	$206.88	$212.49	$419.37	$208.85	$212.49	$421.34	$1.97	0.5%
		1,500	$246.85	$254.99	$501.84	$249.22	$254.99	$504.21	$2.37	0.5%
		2,000	$326.80	$339.98	$666.78	$329.96	$339.98	$669.94	$3.16	0.5%
	Avg	516	$89.51	$87.71	$177.22	$90.32	$87.71	$178.03	$0.81	0.5%

		2022 Planned Rates	2022 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.05165	$0.05165	$0.00000
	Revenue Decoupling	$0.00267	$0.00267	$0.00000
	Solar Massachusetts Renewable Target	$0.00341	$0.00341	$0.00000
	Residential Assistance Adjustment Factor	$0.00572	$0.00572	$0.00000
	Pension Adjustment Factor	$0.00120	$0.00120	$0.00000
	Net Metering Recovery Surcharge	$0.00756	$0.00756	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00322	$0.00322	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00011)	($0.00011)	$0.00000
	Solar Program Cost Adjustment Factor	($0.00001)	($0.00001)	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00101	$0.00101	$0.00000
	Vegetation Management	$0.00159	$0.00159	$0.00000
	Tax Act Credit Factor	($0.00163)	($0.00163)	$0.00000
	Grid Modernization	$0.00172	$0.00172	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04437	$0.04437	$0.00000
	Energy Efficiency Reconciliation Factor	$0.03675	$0.03833	$0.00158
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-2 Residential Assistance

		Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$12.44	$10.88	$23.32	$12.52	$10.88	$23.40	$0.08	0.3%
		200	$20.40	$21.76	$42.16	$20.56	$21.76	$42.32	$0.16	0.4%
		300	$28.35	$32.64	$60.99	$28.60	$32.64	$61.24	$0.25	0.4%
		400	$36.31	$43.52	$79.83	$36.63	$43.52	$80.15	$0.32	0.4%
		500	$44.27	$54.40	$98.67	$44.67	$54.40	$99.07	$0.40	0.4%
		600	$52.23	$65.28	$117.51	$52.71	$65.28	$117.99	$0.48	0.4%
		700	$60.18	$76.16	$136.34	$60.75	$76.16	$136.91	$0.57	0.4%
		800	$68.14	$87.03	$155.17	$68.79	$87.03	$155.82	$0.65	0.4%
		900	$76.10	$97.91	$174.01	$76.83	$97.91	$174.74	$0.73	0.4%
		1,000	$84.06	$108.79	$192.85	$84.86	$108.79	$193.65	$0.80	0.4%
		1,250	$103.95	$135.99	$239.94	$104.96	$135.99	$240.95	$1.01	0.4%
		1,500	$123.85	$163.19	$287.04	$125.06	$163.19	$288.25	$1.21	0.4%
		2,000	$163.64	$217.59	$381.23	$165.25	$217.59	$382.84	$1.61	0.4%
	Avg	488	$43.31	$53.09	$96.40	$43.71	$53.09	$96.80	$0.40	0.4%

		2022 Planned Rates	2022 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.05165	$0.05165	$0.00000
	Revenue Decoupling	$0.00267	$0.00267	$0.00000
	Solar Massachusetts Renewable Target	$0.00341	$0.00341	$0.00000
	Residential Assistance Adjustment Factor	$0.00572	$0.00572	$0.00000
	Pension Adjustment Factor	$0.00120	$0.00120	$0.00000
	Net Metering Recovery Surcharge	$0.00756	$0.00756	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00322	$0.00322	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00011)	($0.00011)	$0.00000
	Solar Program Cost Adjustment Factor	($0.00001)	($0.00001)	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00101	$0.00101	$0.00000
	Vegetation Management	$0.00159	$0.00159	$0.00000
	Tax Act Credit Factor	($0.00163)	($0.00163)	$0.00000
	Grid Modernization	$0.00172	$0.00172	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04437	$0.04437	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00119	$0.00245	$0.00126
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000
	Low Income Discount	36%	36%	0%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-3 Residential Space Heating

		Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$21.42	$17.00	$38.42	$21.58	$17.00	$38.58	$0.16	0.4%
		200	$35.84	$34.00	$69.84	$36.16	$34.00	$70.16	$0.32	0.5%
		300	$50.27	$51.00	$101.27	$50.74	$51.00	$101.74	$0.47	0.5%
		400	$64.69	$68.00	$132.69	$65.32	$68.00	$133.32	$0.63	0.5%
		500	$79.11	$85.00	$164.11	$79.90	$85.00	$164.90	$0.79	0.5%
		600	$93.53	$101.99	$195.52	$94.48	$101.99	$196.47	$0.95	0.5%
		700	$107.95	$118.99	$226.94	$109.06	$118.99	$228.05	$1.11	0.5%
		800	$122.38	$135.99	$258.37	$123.64	$135.99	$259.63	$1.26	0.5%
		900	$136.80	$152.99	$289.79	$138.22	$152.99	$291.21	$1.42	0.5%
		1,000	$151.22	$169.99	$321.21	$152.80	$169.99	$322.79	$1.58	0.5%
		1,250	$187.28	$212.49	$399.77	$189.25	$212.49	$401.74	$1.97	0.5%
		1,500	$223.33	$254.99	$478.32	$225.70	$254.99	$480.69	$2.37	0.5%
		2,000	$295.44	$339.98	$635.42	$298.60	$339.98	$638.58	$3.16	0.5%
	Avg	740	$113.72	$125.79	$239.51	$114.89	$125.79	$240.68	$1.17	0.5%

		2022 Planned Rates	2022 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.04494	$0.04494	$0.00000
	Revenue Decoupling	$0.00211	$0.00211	$0.00000
	Solar Massachusetts Renewable Target	$0.00270	$0.00270	$0.00000
	Residential Assistance Adjustment Factor	$0.00452	$0.00452	$0.00000
	Pension Adjustment Factor	$0.00115	$0.00115	$0.00000
	Net Metering Recovery Surcharge	$0.00598	$0.00598	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00254	$0.00254	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00008)	($0.00008)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00080	$0.00080	$0.00000
	Vegetation Management	$0.00153	$0.00153	$0.00000
	Tax Act Credit Factor	($0.00129)	($0.00129)	$0.00000
	Grid Modernization	$0.00140	$0.00140	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04039	$0.04039	$0.00000
	Energy Efficiency Reconciliation Factor	$0.03675	$0.03833	$0.00158
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-4 Residential Assistance Space Heating

		Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$11.43	$10.88	$22.31	$11.51	$10.88	$22.39	$0.08	0.4%
		200	$18.39	$21.76	$40.15	$18.55	$21.76	$40.31	$0.16	0.4%
		300	$25.34	$32.64	$57.98	$25.58	$32.64	$58.22	$0.24	0.4%
		400	$32.30	$43.52	$75.82	$32.62	$43.52	$76.14	$0.32	0.4%
		500	$39.25	$54.40	$93.65	$39.65	$54.40	$94.05	$0.40	0.4%
		600	$46.21	$65.28	$111.49	$46.69	$65.28	$111.97	$0.48	0.4%
		700	$53.16	$76.16	$129.32	$53.72	$76.16	$129.88	$0.56	0.4%
		800	$60.11	$87.03	$147.14	$60.76	$87.03	$147.79	$0.65	0.4%
		900	$67.07	$97.91	$164.98	$67.79	$97.91	$165.70	$0.72	0.4%
		1,000	$74.02	$108.79	$182.81	$74.83	$108.79	$183.62	$0.81	0.4%
		1,250	$91.41	$135.99	$227.40	$92.42	$135.99	$228.41	$1.01	0.4%
		1,500	$108.79	$163.19	$271.98	$110.00	$163.19	$273.19	$1.21	0.4%
		2,000	$143.56	$217.59	$361.15	$145.18	$217.59	$362.77	$1.62	0.4%
	Avg	874	$65.26	$95.09	$160.35	$65.96	$95.09	$161.05	$0.70	0.4%

		2022 Planned Rates	2022 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.04494	$0.04494	$0.00000
	Revenue Decoupling	$0.00211	$0.00211	$0.00000
	Solar Massachusetts Renewable Target	$0.00270	$0.00270	$0.00000
	Residential Assistance Adjustment Factor	$0.00452	$0.00452	$0.00000
	Pension Adjustment Factor	$0.00115	$0.00115	$0.00000
	Net Metering Recovery Surcharge	$0.00598	$0.00598	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00254	$0.00254	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00008)	($0.00008)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00080	$0.00080	$0.00000
	Vegetation Management	$0.00153	$0.00153	$0.00000
	Tax Act Credit Factor	($0.00129)	($0.00129)	$0.00000
	Grid Modernization	$0.00140	$0.00140	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04039	$0.04039	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00119	$0.00245	$0.00126
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000
	Low Income Discount	36%	36%	0%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-1 Small General Service

		Monthly	Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
	Hours Use: 200										
		5	1,000	$111.42	$169.10	$280.52	$102.33	$169.10	$271.43	($9.09)	-3.2%
		10	2,000	$216.84	$338.20	$555.04	$198.66	$338.20	$536.86	($18.18)	-3.3%
		15	3,000	$326.31	$507.30	$833.61	$299.04	$507.30	$806.34	($27.27)	-3.3%
		25	5,000	$524.75	$845.50	$1,370.25	$479.30	$845.50	$1,324.80	($45.45)	-3.3%
		50	10,000	$1,020.85	$1,691.00	$2,711.85	$929.95	$1,691.00	$2,620.95	($90.90)	-3.4%
		100	20,000	$2,013.05	$3,382.00	$5,395.05	$1,831.25	$3,382.00	$5,213.25	($181.80)	-3.4%
Avg		2	400	$48.17	$67.64	$115.81	$44.53	$67.64	$112.17	($3.64)	-3.1%
	Hours Use: 300										
		5	1,500	$164.13	$253.65	$417.78	$150.50	$253.65	$404.15	($13.63)	-3.3%
		10	3,000	$298.36	$507.30	$805.66	$271.09	$507.30	$778.39	($27.27)	-3.4%
		15	4,500	$433.21	$760.95	$1,194.16	$392.31	$760.95	$1,153.26	($40.90)	-3.4%
		25	7,500	$702.92	$1,268.25	$1,971.17	$634.75	$1,268.25	$1,903.00	($68.17)	-3.5%
		50	15,000	$1,377.20	$2,536.50	$3,913.70	$1,240.85	$2,536.50	$3,777.35	($136.35)	-3.5%
		100	30,000	$2,725.75	$5,073.00	$7,798.75	$2,453.05	$5,073.00	$7,526.05	($272.70)	-3.5%
Avg		19	5,700	$541.09	$963.87	$1,504.96	$489.28	$963.87	$1,453.15	($51.81)	-3.4%
	Hours Use: 400										
		5	2,000	$216.84	$338.20	$555.04	$198.66	$338.20	$536.86	($18.18)	-3.3%
		10	4,000	$369.63	$676.40	$1,046.03	$333.27	$676.40	$1,009.67	($36.36)	-3.5%
		15	6,000	$540.12	$1,014.60	$1,554.72	$485.58	$1,014.60	$1,500.18	($54.54)	-3.5%
		25	10,000	$881.10	$1,691.00	$2,572.10	$790.20	$1,691.00	$2,481.20	($90.90)	-3.5%
		50	20,000	$1,733.55	$3,382.00	$5,115.55	$1,551.75	$3,382.00	$4,933.75	($181.80)	-3.6%
		100	40,000	$3,438.45	$6,764.00	$10,202.45	$3,074.85	$6,764.00	$9,838.85	($363.60)	-3.6%
Avg		27	10,800	$949.29	$1,826.28	$2,775.57	$851.12	$1,826.28	$2,677.40	($98.17)	-3.5%

	2022 Planned Rates	2022 MTM Rates	Change
Customer Charge	$6.00	$6.00	$0.00
Distribution Demand <=10 kW	$0.00	$0.00	$0.00
Distribution Demand >10 kW	$5.59	$5.59	$0.00
Distribution Energy <=2,300 kWh	$0.04684	$0.04684	$0.00000
Distribution Energy >2,300 kWh	$0.01269	$0.01269	$0.00000
Revenue Decoupling	$0.00179	$0.00179	$0.00000
Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
Vegetation Management	$0.00129	$0.00129	$0.00000
Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
Grid Modernization	$0.00115	$0.00115	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.03572	$0.03572	$0.00000
Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-1 Seasonal Small General Service

		Monthly	Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
	Hours Use: 50										
		5	250	$42.39	$42.28	$84.67	$40.12	$42.28	$82.40	($2.27)	-2.7%
		10	500	$78.78	$84.55	$163.33	$74.23	$84.55	$158.78	($4.55)	-2.8%
		20	1,000	$200.85	$169.10	$369.95	$191.76	$169.10	$360.86	($9.09)	-2.5%
		50	2,500	$525.54	$422.75	$948.29	$502.81	$422.75	$925.56	($22.73)	-2.4%
Avg		9	450	$71.50	$76.10	$147.60	$67.41	$76.10	$143.51	($4.09)	-2.8%
	Hours Use: 150										
		5	750	$115.16	$126.83	$241.99	$108.35	$126.83	$235.18	($6.81)	-2.8%
		10	1,500	$224.33	$253.65	$477.98	$210.69	$253.65	$464.34	($13.64)	-2.9%
		20	3,000	$420.74	$507.30	$928.04	$393.47	$507.30	$900.77	($27.27)	-2.9%
		50	7,500	$956.59	$1,268.25	$2,224.84	$888.41	$1,268.25	$2,156.66	($68.18)	-3.1%
Avg		8	1,200	$180.66	$202.92	$383.58	$169.75	$202.92	$372.67	($10.91)	-2.8%
	Hours Use: 300										
		5	1,500	$224.33	$253.65	$477.98	$210.69	$253.65	$464.34	($13.64)	-2.9%
		10	3,000	$371.44	$507.30	$878.74	$344.17	$507.30	$851.47	($27.27)	-3.1%
		20	6,000	$679.37	$1,014.60	$1,693.97	$624.83	$1,014.60	$1,639.43	($54.54)	-3.2%
		50	15,000	$1,603.16	$2,536.50	$4,139.66	$1,466.81	$2,536.50	$4,003.31	($136.35)	-3.3%
Avg		9	2,700	$345.58	$456.57	$802.15	$321.04	$456.57	$777.61	($24.54)	-3.1%

	2022 Planned Rates	2022 MTM Rates	Change
Customer Charge	$6.00	$6.00	$0.00
Distribution Demand <=10 kW	$0.00	$0.00	$0.00
Distribution Demand >10 kW	$4.93	$4.93	$0.00
Distribution Energy <=1,800 kWh	$0.08697	$0.08697	$0.00000
Distribution Energy >1,800 kWh	$0.02763	$0.02763	$0.00000
Revenue Decoupling	$0.00179	$0.00179	$0.00000
Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
Vegetation Management	$0.00129	$0.00129	$0.00000
Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
Grid Modernization	$0.00115	$0.00115	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.03572	$0.03572	$0.00000
Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-2 Medium General Time-of-Use

		Monthly kVA	Monthly kWh	2022 Planned Delivery	2022 Planned Supplier	2022 Planned Total	2022 MTM Delivery	2022 MTM Supplier	2022 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
Hours Use: 300											
		100	30,000	$2,592.86	$7,199.10	$9,791.96	$2,320.16	$7,199.10	$9,519.26	($272.70)	-2.8%
		150	45,000	$3,704.29	$10,798.65	$14,502.94	$3,295.24	$10,798.65	$14,093.89	($409.05)	-2.8%
		200	60,000	$4,815.72	$14,398.20	$19,213.92	$4,270.32	$14,398.20	$18,668.52	($545.40)	-2.8%
		300	90,000	$7,038.59	$21,597.30	$28,635.89	$6,220.49	$21,597.30	$27,817.79	($818.10)	-2.9%
		500	150,000	$11,484.31	$35,995.50	$47,479.81	$10,120.81	$35,995.50	$46,116.31	($1,363.50)	-2.9%
Avg		205	61,500	$4,926.87	$14,758.16	$19,685.03	$4,367.83	$14,758.16	$19,125.99	($559.04)	-2.8%
Hours Use: 400											
		100	40,000	$2,950.82	$9,598.80	$12,549.62	$2,587.22	$9,598.80	$12,186.02	($363.60)	-2.9%
		150	60,000	$4,241.22	$14,398.20	$18,639.42	$3,695.82	$14,398.20	$18,094.02	($545.40)	-2.9%
		200	80,000	$5,531.63	$19,197.60	$24,729.23	$4,804.43	$19,197.60	$24,002.03	($727.20)	-2.9%
		300	120,000	$8,112.45	$28,796.40	$36,908.85	$7,021.65	$28,796.40	$35,818.05	($1,090.80)	-3.0%
		500	200,000	$13,274.08	$47,994.00	$61,268.08	$11,456.08	$47,994.00	$59,450.08	($1,818.00)	-3.0%
Avg		214	85,600	$5,892.95	$20,541.43	$26,434.38	$5,114.84	$20,541.43	$25,656.27	($778.11)	-2.9%
Hours Use: 500											
		100	50,000	$3,308.77	$11,998.50	$15,307.27	$2,854.27	$11,998.50	$14,852.77	($454.50)	-3.0%
		150	75,000	$4,778.16	$17,997.75	$22,775.91	$4,096.41	$17,997.75	$22,094.16	($681.75)	-3.0%
		200	100,000	$6,247.54	$23,997.00	$30,244.54	$5,338.54	$23,997.00	$29,335.54	($909.00)	-3.0%
		300	150,000	$9,186.31	$35,995.50	$45,181.81	$7,822.81	$35,995.50	$43,818.31	($1,363.50)	-3.0%
		500	250,000	$15,063.85	$59,992.50	$75,056.35	$12,791.35	$59,992.50	$72,783.85	($2,272.50)	-3.0%
Avg		253	126,500	$7,805.09	$30,356.21	$38,161.30	$6,655.20	$30,356.21	$37,011.41	($1,149.89)	-3.0%

	2022 Planned Rates	2022 MTM Rates	Change
Customer Charge	$370.00	$370.00	$0.00
Distribution Demand	$1.78	$1.78	$0.00
Transmission Demand	$9.71	$9.71	$0.00
Distribution Energy - Peak	$0.02076	$0.02076	$0.00000
Distribution Energy - Low A	$0.01747	$0.01747	$0.00000
Distribution Energy - Low B	$0.01133	$0.01133	$0.00000
Revenue Decoupling	$0.00118	$0.00118	$0.00000
Solar Massachusetts Renewable Target	$0.00150	$0.00150	$0.00000
Residential Assistance Adjustment Factor	$0.00252	$0.00252	$0.00000
Pension Adjustment Factor	$0.00065	$0.00065	$0.00000
Net Metering Recovery Surcharge	$0.00333	$0.00333	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00141	$0.00141	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00004)	($0.00004)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00044	$0.00044	$0.00000
Vegetation Management	$0.00087	$0.00087	$0.00000
Tax Act Credit Factor	($0.00072)	($0.00072)	$0.00000
Grid Modernization	$0.00076	$0.00076	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.00357	$0.00357	$0.00000
Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.23997	$0.23997	$0.00000

Peak Use:	28%
Low A Use:	25%
Low B Use:	47%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-3 Large General Time-Of-Use

		Monthly kVA	Monthly kWh	2022 Planned Delivery	2022 Planned Supplier	2022 Planned Total	2022 MTM Delivery	2022 MTM Supplier	2022 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
Hours Use: 350											
		500	175,000	$11,332.28	$41,994.75	$53,327.03	$9,741.53	$41,994.75	$51,736.28	($1,590.75)	-3.0%
		750	262,500	$16,533.42	$62,992.13	$79,525.55	$14,147.29	$62,992.13	$77,139.42	($2,386.13)	-3.0%
		1,000	350,000	$21,734.56	$83,989.50	$105,724.06	$18,553.06	$83,989.50	$102,542.56	($3,181.50)	-3.0%
		2,000	700,000	$42,539.11	$167,979.00	$210,518.11	$36,176.11	$167,979.00	$204,155.11	($6,363.00)	-3.0%
		3,000	1,050,000	$63,343.67	$251,968.50	$315,312.17	$53,799.17	$251,968.50	$305,767.67	($9,544.50)	-3.0%
Avg		1,066	373,100	$23,107.66	$89,532.81	$112,640.47	$19,716.18	$89,532.81	$109,248.99	($3,391.48)	-3.0%
Hours Use: 450											
		500	225,000	$12,498.64	$53,993.25	$66,491.89	$10,453.39	$53,993.25	$64,446.64	($2,045.25)	-3.1%
		750	337,500	$18,282.96	$80,989.88	$99,272.84	$15,215.09	$80,989.88	$96,204.97	($3,067.87)	-3.1%
		1,000	450,000	$24,067.29	$107,986.50	$132,053.79	$19,976.79	$107,986.50	$127,963.29	($4,090.50)	-3.1%
		2,000	900,000	$47,204.57	$215,973.00	$263,177.57	$39,023.57	$215,973.00	$254,996.57	($8,181.00)	-3.1%
		3,000	1,350,000	$70,341.86	$323,959.50	$394,301.36	$58,070.36	$323,959.50	$382,029.86	($12,271.50)	-3.1%
Avg		788	354,600	$19,162.18	$85,093.36	$104,255.54	$15,938.87	$85,093.36	$101,032.23	($3,223.31)	-3.1%
Hours Use: 550											
		500	275,000	$13,665.01	$65,991.75	$79,656.76	$11,165.26	$65,991.75	$77,157.01	($2,499.75)	-3.1%
		750	412,500	$20,032.51	$98,987.63	$119,020.14	$16,282.89	$98,987.63	$115,270.52	($3,749.62)	-3.2%
		1,000	550,000	$26,400.02	$131,983.50	$158,383.52	$21,400.52	$131,983.50	$153,384.02	($4,999.50)	-3.2%
		2,000	1,100,000	$51,870.03	$263,967.00	$315,837.03	$41,871.03	$263,967.00	$305,838.03	($9,999.00)	-3.2%
		3,000	1,650,000	$77,340.05	$395,950.50	$473,290.55	$62,341.55	$395,950.50	$458,292.05	($14,998.50)	-3.2%
Avg		1,118	614,900	$29,405.48	$147,557.55	$176,963.03	$23,816.04	$147,557.55	$171,373.59	($5,589.44)	-3.2%

	2022 Planned Rates	2022 MTM Rates	Change
Customer Charge	$930.00	$930.00	$0.00
Distribution Demand	$1.01	$1.01	$0.00
Transmission Demand	$11.63	$11.63	$0.00
Distribution Energy - Peak	$0.01443	$0.01443	$0.00000
Distribution Energy - Low A	$0.01328	$0.01328	$0.00000
Distribution Energy - Low B	$0.00919	$0.00919	$0.00000
Revenue Decoupling	$0.00067	$0.00067	$0.00000
Solar Massachusetts Renewable Target	$0.00086	$0.00086	$0.00000
Residential Assistance Adjustment Factor	$0.00144	$0.00144	$0.00000
Pension Adjustment Factor	$0.00041	$0.00041	$0.00000
Net Metering Recovery Surcharge	$0.00191	$0.00191	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00081	$0.00081	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00002)	($0.00002)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00025	$0.00025	$0.00000
Vegetation Management	$0.00055	$0.00055	$0.00000
Tax Act Credit Factor	($0.00041)	($0.00041)	$0.00000
Grid Modernization	$0.00041	$0.00041	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.00000	$0.00000	$0.00000
Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.23997	$0.23997	$0.00000

Peak Use:	27%
Low A Use:	25%
Low B Use:	48%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-4 General Power

		Monthly	Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		Hours Use: 150									
		20	3,000	$268.40	$507.30	$775.70	$241.13	$507.30	$748.43	($27.27)	-3.5%
		30	4,500	$399.60	$760.95	$1,160.55	$358.70	$760.95	$1,119.65	($40.90)	-3.5%
		40	6,000	$530.80	$1,014.60	$1,545.40	$476.26	$1,014.60	$1,490.86	($54.54)	-3.5%
		70	10,500	$924.40	$1,775.55	$2,699.95	$828.96	$1,775.55	$2,604.51	($95.44)	-3.5%
		100	15,000	$1,318.00	$2,536.50	$3,854.50	$1,181.65	$2,536.50	$3,718.15	($136.35)	-3.5%
	Avg	52	7,800	$688.24	$1,318.98	$2,007.22	$617.34	$1,318.98	$1,936.32	($70.90)	-3.5%
		Hours Use: 250									
		20	5,000	$364.40	$845.50	$1,209.90	$318.95	$845.50	$1,164.45	($45.45)	-3.8%
		30	7,500	$543.60	$1,268.25	$1,811.85	$475.43	$1,268.25	$1,743.68	($68.17)	-3.8%
		40	10,000	$722.80	$1,691.00	$2,413.80	$631.90	$1,691.00	$2,322.90	($90.90)	-3.8%
		70	17,500	$1,260.40	$2,959.25	$4,219.65	$1,101.33	$2,959.25	$4,060.58	($159.07)	-3.8%
		100	25,000	$1,798.00	$4,227.50	$6,025.50	$1,570.75	$4,227.50	$5,798.25	($227.25)	-3.8%
	Avg	27	6,750	$489.84	$1,141.43	$1,631.27	$428.48	$1,141.43	$1,569.91	($61.36)	-3.8%
		Hours Use: 350									
		20	7,000	$460.40	$1,183.70	$1,644.10	$396.77	$1,183.70	$1,580.47	($63.63)	-3.9%
		30	10,500	$687.60	$1,775.55	$2,463.15	$592.16	$1,775.55	$2,367.71	($95.44)	-3.9%
		40	14,000	$914.80	$2,367.40	$3,282.20	$787.54	$2,367.40	$3,154.94	($127.26)	-3.9%
		70	24,500	$1,596.40	$4,142.95	$5,739.35	$1,373.70	$4,142.95	$5,516.65	($222.70)	-3.9%
		100	35,000	$2,278.00	$5,918.50	$8,196.50	$1,959.85	$5,918.50	$7,878.35	($318.15)	-3.9%
	Avg	27	9,450	$619.44	$1,598.00	$2,217.44	$533.54	$1,598.00	$2,131.54	($85.90)	-3.9%

	2022 Planned Rates	2022 MTM Rates	Change
Customer Charge	$6.00	$6.00	$0.00
Distribution Demand	$1.99	$1.99	$0.00
Transmission Demand	$3.93	$3.93	$0.00
Distribution Energy	$0.02282	$0.02282	$0.00000
Revenue Decoupling	$0.00151	$0.00151	$0.00000
Solar Massachusetts Renewable Target	$0.00193	$0.00193	$0.00000
Residential Assistance Adjustment Factor	$0.00323	$0.00323	$0.00000
Pension Adjustment Factor	$0.00094	$0.00094	$0.00000
Net Metering Recovery Surcharge	$0.00427	$0.00427	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00179	$0.00179	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00006)	($0.00006)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00057	$0.00057	$0.00000
Vegetation Management	$0.00126	$0.00126	$0.00000
Tax Act Credit Factor	($0.00092)	($0.00092)	$0.00000
Grid Modernization	$0.00095	$0.00095	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.00489	$0.00489	$0.00000
Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-5 Commercial Space Heating

		Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$16.90	$16.91	$33.81	$15.99	$16.91	$32.90	($0.91)	-2.7%
		200	$27.80	$33.82	$61.62	$25.98	$33.82	$59.80	($1.82)	-3.0%
		300	$38.69	$50.73	$89.42	$35.97	$50.73	$86.70	($2.72)	-3.0%
		500	$60.49	$84.55	$145.04	$55.95	$84.55	$140.50	($4.54)	-3.1%
		750	$87.74	$126.83	$214.57	$80.92	$126.83	$207.75	($6.82)	-3.2%
		1,000	$114.98	$169.10	$284.08	$105.89	$169.10	$274.99	($9.09)	-3.2%
		1,500	$169.47	$253.65	$423.12	$155.84	$253.65	$409.49	($13.63)	-3.2%
		3,000	$332.94	$507.30	$840.24	$305.67	$507.30	$812.97	($27.27)	-3.2%
		5,000	$550.90	$845.50	$1,396.40	$505.45	$845.50	$1,350.95	($45.45)	-3.3%
	Avg	1,472	$166.42	$248.92	$415.34	$153.04	$248.92	$401.96	($13.38)	-3.2%

		2022 Planned Rates	2022 MTM Rates	Change
	Customer Charge	$6.00	$6.00	$0.00
	Distribution Energy	$0.04120	$0.04120	$0.00000
	Revenue Decoupling	$0.00231	$0.00231	$0.00000
	Solar Massachusetts Renewable Target	$0.00295	$0.00295	$0.00000
	Residential Assistance Adjustment Factor	$0.00495	$0.00495	$0.00000
	Pension Adjustment Factor	$0.00206	$0.00206	$0.00000
	Net Metering Recovery Surcharge	$0.00654	$0.00654	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00277	$0.00277	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00009)	($0.00009)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00087	$0.00087	$0.00000
	Vegetation Management	$0.00274	$0.00274	$0.00000
	Tax Act Credit Factor	($0.00141)	($0.00141)	$0.00000
	Grid Modernization	$0.00164	$0.00164	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.03763	$0.03763	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-6 All Electric Schools

		Monthly	2022 Planned			2022 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		25,000	$1,679.75	$4,227.50	$5,907.25	$1,452.50	$4,227.50	$5,680.00	($227.25)	-3.8%
		40,000	$2,669.60	$6,764.00	$9,433.60	$2,306.00	$6,764.00	$9,070.00	($363.60)	-3.9%
		50,000	$3,329.50	$8,455.00	$11,784.50	$2,875.00	$8,455.00	$11,330.00	($454.50)	-3.9%
		60,000	$3,989.40	$10,146.00	$14,135.40	$3,444.00	$10,146.00	$13,590.00	($545.40)	-3.9%
		150,000	$9,928.50	$25,365.00	$35,293.50	$8,565.00	$25,365.00	$33,930.00	($1,363.50)	-3.9%
	Avg	60,748	$4,038.76	$10,272.49	$14,311.25	$3,486.56	$10,272.49	$13,759.05	($552.20)	-3.9%

		2022 Planned Rates	2022 MTM Rates	Change
	Customer Charge	$30.00	$30.00	$0.00
	Distribution Energy	$0.01867	$0.01867	$0.00000
	Revenue Decoupling	$0.00076	$0.00076	$0.00000
	Solar Massachusetts Renewable Target	$0.00097	$0.00097	$0.00000
	Residential Assistance Adjustment Factor	$0.00163	$0.00163	$0.00000
	Pension Adjustment Factor	$0.00075	$0.00075	$0.00000
	Net Metering Recovery Surcharge	$0.00216	$0.00216	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00090	$0.00090	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00003)	($0.00003)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00028	$0.00028	$0.00000
	Vegetation Management	$0.00100	$0.00100	$0.00000
	Tax Act Credit Factor	($0.00046)	($0.00046)	$0.00000
	Grid Modernization	$0.00047	$0.00047	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.03407	$0.03407	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-7 Optional General Time-of-Use

		Monthly kVA	Monthly kWh	2022 Planned Delivery	2022 Planned Supplier	2022 Planned Total	2022 MTM Delivery	2022 MTM Supplier	2022 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
		Hours Use: 350									
		5	1,750	$170.38	$295.93	$466.31	$154.47	$295.93	$450.40	($15.91)	-3.4%
		10	3,500	$330.76	$591.85	$922.61	$298.95	$591.85	$890.80	($31.81)	-3.4%
		20	7,000	$651.53	$1,183.70	$1,835.23	$587.90	$1,183.70	$1,771.60	($63.63)	-3.5%
		50	17,500	$1,613.82	$2,959.25	$4,573.07	$1,454.75	$2,959.25	$4,414.00	($159.07)	-3.5%
		75	26,250	$2,415.73	$4,438.88	$6,854.61	$2,177.12	$4,438.88	$6,616.00	($238.61)	-3.5%
	Avg	20	7,000	$651.53	$1,183.70	$1,835.23	$587.90	$1,183.70	$1,771.60	($63.63)	-3.5%
		Hours Use: 500									
		5	2,500	$202.71	$422.75	$625.46	$179.99	$422.75	$602.74	($22.72)	-3.6%
		10	5,000	$395.42	$845.50	$1,240.92	$349.97	$845.50	$1,195.47	($45.45)	-3.7%
		20	10,000	$780.84	$1,691.00	$2,471.84	$689.94	$1,691.00	$2,380.94	($90.90)	-3.7%
		50	25,000	$1,937.10	$4,227.50	$6,164.60	$1,709.85	$4,227.50	$5,937.35	($227.25)	-3.7%
		75	37,500	$2,900.65	$6,341.25	$9,241.90	$2,559.78	$6,341.25	$8,901.03	($340.87)	-3.7%
	Avg	31	15,500	$1,204.80	$2,621.05	$3,825.85	$1,063.91	$2,621.05	$3,684.96	($140.89)	-3.7%
		Hours Use: 650									
		5	3,250	$235.04	$549.58	$784.62	$205.50	$549.58	$755.08	($29.54)	-3.8%
		10	6,500	$460.08	$1,099.15	$1,559.23	$400.99	$1,099.15	$1,500.14	($59.09)	-3.8%
		20	13,000	$910.15	$2,198.30	$3,108.45	$791.98	$2,198.30	$2,990.28	($118.17)	-3.8%
		50	32,500	$2,260.38	$5,495.75	$7,756.13	$1,964.96	$5,495.75	$7,460.71	($295.42)	-3.8%
		75	48,750	$3,385.57	$8,243.63	$11,629.20	$2,942.43	$8,243.63	$11,186.06	($443.14)	-3.8%
	Avg	18	11,700	$820.14	$1,978.47	$2,798.61	$713.78	$1,978.47	$2,692.25	($106.36)	-3.8%

		2022 Planned Rates	2022 MTM Rates	Change
	Customer Charge	$10.00	$10.00	$0.00
	Distribution Demand	$3.81	$3.81	$0.00
	Transmission Demand	$13.18	$13.18	$0.00
	Distribution Energy - Peak	$0.02621	$0.02621	$0.00000
	Distribution Energy - Low Load	$0.01836	$0.01836	$0.00000
	Revenue Decoupling	$0.00179	$0.00179	$0.00000
	Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
	Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
	Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
	Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
	Vegetation Management	$0.00129	$0.00129	$0.00000
	Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
	Grid Modernization	$0.00115	$0.00115	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

	Peak Use:	24%
	Low A Use:	76%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-7 Optional Seasonal General Time-of-Use

		Monthly kVA	Monthly kWh	2022 Planned Delivery	2022 Planned Supplier	2022 Planned Total	2022 MTM Delivery	2022 MTM Supplier	2022 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
		Hours Use: 50									
		5	250	$72.93	$42.28	$115.21	$70.66	$42.28	$112.94	($2.27)	-2.0%
		10	500	$135.86	$84.55	$220.41	$131.32	$84.55	$215.87	($4.54)	-2.1%
		20	1,000	$261.73	$169.10	$430.83	$252.64	$169.10	$421.74	($9.09)	-2.1%
		50	2,500	$639.32	$422.75	$1,062.07	$616.60	$422.75	$1,039.35	($22.72)	-2.1%
		75	3,750	$953.99	$634.13	$1,588.12	$919.90	$634.13	$1,554.03	($34.09)	-2.1%
	Avg	9	450	$123.28	$76.10	$199.38	$119.19	$76.10	$195.29	($4.09)	-2.1%
		Hours Use: 150									
		5	750	$106.80	$126.83	$233.63	$99.98	$126.83	$226.81	($6.82)	-2.9%
		10	1,500	$203.59	$253.65	$457.24	$189.96	$253.65	$443.61	($13.63)	-3.0%
		20	3,000	$397.19	$507.30	$904.49	$369.92	$507.30	$877.22	($27.27)	-3.0%
		50	7,500	$977.97	$1,268.25	$2,246.22	$909.80	$1,268.25	$2,178.05	($68.17)	-3.0%
		75	11,250	$1,461.96	$1,902.38	$3,364.34	$1,359.70	$1,902.38	$3,262.08	($102.26)	-3.0%
	Avg	10	1,500	$203.59	$253.65	$457.24	$189.96	$253.65	$443.61	($13.63)	-3.0%
		Hours Use: 300									
		5	1,500	$157.59	$253.65	$411.24	$143.96	$253.65	$397.61	($13.63)	-3.3%
		10	3,000	$305.19	$507.30	$812.49	$277.92	$507.30	$785.22	($27.27)	-3.4%
		20	6,000	$600.38	$1,014.60	$1,614.98	$545.84	$1,014.60	$1,560.44	($54.54)	-3.4%
		50	15,000	$1,485.95	$2,536.50	$4,022.45	$1,349.60	$2,536.50	$3,886.10	($136.35)	-3.4%
		75	22,500	$2,223.92	$3,804.75	$6,028.67	$2,019.40	$3,804.75	$5,824.15	($204.52)	-3.4%
	Avg	13	3,900	$393.75	$659.49	$1,053.24	$358.30	$659.49	$1,017.79	($35.45)	-3.4%

		2022 Planned Rates	2022 MTM Rates	Change
	Customer Charge	$10.00	$10.00	$0.00
	Distribution Demand	$3.86	$3.86	$0.00
	Transmission Demand	$5.34	$5.34	$0.00
	Distribution Energy - Peak	$0.05113	$0.05113	$0.00000
	Distribution Energy - Low Load	$0.04300	$0.04300	$0.00000
	Revenue Decoupling	$0.00179	$0.00179	$0.00000
	Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
	Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
	Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
	Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
	Vegetation Management	$0.00129	$0.00129	$0.00000
	Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
	Grid Modernization	$0.00115	$0.00115	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00404	($0.00505)	($0.00909)
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

	Peak Use:	23%
	Low A Use:	77%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-1 Residential

		Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$22.91	$17.00	$39.91	$23.20	$17.00	$40.20	$0.29	0.7%
		200	$38.81	$34.00	$72.81	$39.41	$34.00	$73.41	$0.60	0.8%
		300	$54.72	$51.00	$105.72	$55.61	$51.00	$106.61	$0.89	0.8%
		400	$70.62	$68.00	$138.62	$71.82	$68.00	$139.82	$1.20	0.9%
		500	$86.53	$85.00	$171.53	$88.02	$85.00	$173.02	$1.49	0.9%
		600	$102.44	$101.99	$204.43	$104.22	$101.99	$206.21	$1.78	0.9%
		700	$118.34	$118.99	$237.33	$120.43	$118.99	$239.42	$2.09	0.9%
		800	$134.25	$135.99	$270.24	$136.63	$135.99	$272.62	$2.38	0.9%
		900	$150.15	$152.99	$303.14	$152.84	$152.99	$305.83	$2.69	0.9%
		1,000	$166.06	$169.99	$336.05	$169.04	$169.99	$339.03	$2.98	0.9%
		1,250	$205.83	$212.49	$418.32	$209.55	$212.49	$422.04	$3.72	0.9%
		1,500	$245.59	$254.99	$500.58	$250.06	$254.99	$505.05	$4.47	0.9%
		2,000	$325.12	$339.98	$665.10	$331.08	$339.98	$671.06	$5.96	0.9%
	Avg	516	$89.07	$87.71	$176.78	$90.61	$87.71	$178.32	$1.54	0.9%

		2023 Planned Rates	2023 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.05165	$0.05165	$0.00000
	Revenue Decoupling	$0.00267	$0.00267	$0.00000
	Solar Massachusetts Renewable Target	$0.00341	$0.00341	$0.00000
	Residential Assistance Adjustment Factor	$0.00572	$0.00572	$0.00000
	Pension Adjustment Factor	$0.00120	$0.00120	$0.00000
	Net Metering Recovery Surcharge	$0.00756	$0.00756	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00322	$0.00322	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00011)	($0.00011)	$0.00000
	Solar Program Cost Adjustment Factor	($0.00001)	($0.00001)	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00101	$0.00101	$0.00000
	Vegetation Management	$0.00159	$0.00159	$0.00000
	Tax Act Credit Factor	($0.00163)	($0.00163)	$0.00000
	Grid Modernization	$0.00172	$0.00172	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04437	$0.04437	$0.00000
	Energy Efficiency Reconciliation Factor	$0.03591	$0.03889	$0.00298
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-2 Residential Assistance

		Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$12.54	$10.88	$23.42	$12.69	$10.88	$23.57	$0.15	0.6%
		200	$20.59	$21.76	$42.35	$20.90	$21.76	$42.66	$0.31	0.7%
		300	$28.65	$32.64	$61.29	$29.11	$32.64	$61.75	$0.46	0.8%
		400	$36.71	$43.52	$80.23	$37.32	$43.52	$80.84	$0.61	0.8%
		500	$44.76	$54.40	$99.16	$45.53	$54.40	$99.93	$0.77	0.8%
		600	$52.82	$65.28	$118.10	$53.74	$65.28	$119.02	$0.92	0.8%
		700	$60.88	$76.16	$137.04	$61.95	$76.16	$138.11	$1.07	0.8%
		800	$68.94	$87.03	$155.97	$70.16	$87.03	$157.19	$1.22	0.8%
		900	$76.99	$97.91	$174.90	$78.38	$97.91	$176.29	$1.39	0.8%
		1,000	$85.05	$108.79	$193.84	$86.59	$108.79	$195.38	$1.54	0.8%
		1,250	$105.19	$135.99	$241.18	$107.11	$135.99	$243.10	$1.92	0.8%
		1,500	$125.33	$163.19	$288.52	$127.64	$163.19	$290.83	$2.31	0.8%
		2,000	$165.62	$217.59	$383.21	$168.69	$217.59	$386.28	$3.07	0.8%
	Avg	488	$43.80	$53.09	$96.89	$44.55	$53.09	$97.64	$0.75	0.8%

		2023 Planned Rates	2023 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.05165	$0.05165	$0.00000
	Revenue Decoupling	$0.00267	$0.00267	$0.00000
	Solar Massachusetts Renewable Target	$0.00341	$0.00341	$0.00000
	Residential Assistance Adjustment Factor	$0.00572	$0.00572	$0.00000
	Pension Adjustment Factor	$0.00120	$0.00120	$0.00000
	Net Metering Recovery Surcharge	$0.00756	$0.00756	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00322	$0.00322	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00011)	($0.00011)	$0.00000
	Solar Program Cost Adjustment Factor	($0.00001)	($0.00001)	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00101	$0.00101	$0.00000
	Vegetation Management	$0.00159	$0.00159	$0.00000
	Tax Act Credit Factor	($0.00163)	($0.00163)	$0.00000
	Grid Modernization	$0.00172	$0.00172	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04437	$0.04437	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00274	$0.00514	$0.00240
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000
	Low Income Discount	36%	36%	0%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-3 Residential Space Heating

		Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$21.34	$17.00	$38.34	$21.64	$17.00	$38.64	$0.30	0.8%
		200	$35.68	$34.00	$69.68	$36.27	$34.00	$70.27	$0.59	0.8%
		300	$50.01	$51.00	$101.01	$50.91	$51.00	$101.91	$0.90	0.9%
		400	$64.35	$68.00	$132.35	$65.54	$68.00	$133.54	$1.19	0.9%
		500	$78.69	$85.00	$163.69	$80.18	$85.00	$165.18	$1.49	0.9%
		600	$93.03	$101.99	$195.02	$94.82	$101.99	$196.81	$1.79	0.9%
		700	$107.37	$118.99	$226.36	$109.45	$118.99	$228.44	$2.08	0.9%
		800	$121.70	$135.99	$257.69	$124.09	$135.99	$260.08	$2.39	0.9%
		900	$136.04	$152.99	$289.03	$138.72	$152.99	$291.71	$2.68	0.9%
		1,000	$150.38	$169.99	$320.37	$153.36	$169.99	$323.35	$2.98	0.9%
		1,250	$186.23	$212.49	$398.72	$189.95	$212.49	$402.44	$3.72	0.9%
		1,500	$222.07	$254.99	$477.06	$226.54	$254.99	$481.53	$4.47	0.9%
		2,000	$293.76	$339.98	$633.74	$299.72	$339.98	$639.70	$5.96	0.9%
	Avg	740	$113.10	$125.79	$238.89	$115.31	$125.79	$241.10	$2.21	0.9%

		2023 Planned Rates	2023 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.04494	$0.04494	$0.00000
	Revenue Decoupling	$0.00211	$0.00211	$0.00000
	Solar Massachusetts Renewable Target	$0.00270	$0.00270	$0.00000
	Residential Assistance Adjustment Factor	$0.00452	$0.00452	$0.00000
	Pension Adjustment Factor	$0.00115	$0.00115	$0.00000
	Net Metering Recovery Surcharge	$0.00598	$0.00598	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00254	$0.00254	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00008)	($0.00008)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00080	$0.00080	$0.00000
	Vegetation Management	$0.00153	$0.00153	$0.00000
	Tax Act Credit Factor	($0.00129)	($0.00129)	$0.00000
	Grid Modernization	$0.00140	$0.00140	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04039	$0.04039	$0.00000
	Energy Efficiency Reconciliation Factor	$0.03591	$0.03889	$0.00298
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-4 Residential Assistance Space Heating

		Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$11.53	$10.88	$22.41	$11.69	$10.88	$22.57	$0.16	0.7%
		200	$18.59	$21.76	$40.35	$18.89	$21.76	$40.65	$0.30	0.7%
		300	$25.64	$32.64	$58.28	$26.10	$32.64	$58.74	$0.46	0.8%
		400	$32.69	$43.52	$76.21	$33.31	$43.52	$76.83	$0.62	0.8%
		500	$39.75	$54.40	$94.15	$40.52	$54.40	$94.92	$0.77	0.8%
		600	$46.80	$65.28	$112.08	$47.72	$65.28	$113.00	$0.92	0.8%
		700	$53.85	$76.16	$130.01	$54.93	$76.16	$131.09	$1.08	0.8%
		800	$60.91	$87.03	$147.94	$62.14	$87.03	$149.17	$1.23	0.8%
		900	$67.96	$97.91	$165.87	$69.34	$97.91	$167.25	$1.38	0.8%
		1,000	$75.01	$108.79	$183.80	$76.55	$108.79	$185.34	$1.54	0.8%
		1,250	$92.65	$135.99	$228.64	$94.57	$135.99	$230.56	$1.92	0.8%
		1,500	$110.28	$163.19	$273.47	$112.59	$163.19	$275.78	$2.31	0.8%
		2,000	$145.55	$217.59	$363.14	$148.62	$217.59	$366.21	$3.07	0.8%
	Avg	874	$66.13	$95.09	$161.22	$67.47	$95.09	$162.56	$1.34	0.8%

	2023 Planned Rates	2023 MTM Rates	Change
Customer Charge	$7.00	$7.00	$0.00
Distribution Energy	$0.04494	$0.04494	$0.00000
Revenue Decoupling	$0.00211	$0.00211	$0.00000
Solar Massachusetts Renewable Target	$0.00270	$0.00270	$0.00000
Residential Assistance Adjustment Factor	$0.00452	$0.00452	$0.00000
Pension Adjustment Factor	$0.00115	$0.00115	$0.00000
Net Metering Recovery Surcharge	$0.00598	$0.00598	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00254	$0.00254	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00008)	($0.00008)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00080	$0.00080	$0.00000
Vegetation Management	$0.00153	$0.00153	$0.00000
Tax Act Credit Factor	($0.00129)	($0.00129)	$0.00000
Grid Modernization	$0.00140	$0.00140	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.04039	$0.04039	$0.00000
Energy Efficiency Reconciliation Factor	$0.00274	$0.00514	$0.00240
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16999	$0.16999	$0.00000
Low Income Discount	36%	36%	0%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-1 Small General Service

		Monthly	Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
	Hours Use: 200										
		5	1,000	$133.77	$169.10	$302.87	$136.03	$169.10	$305.13	$2.26	0.7%
		10	2,000	$261.54	$338.20	$599.74	$266.06	$338.20	$604.26	$4.52	0.8%
		15	3,000	$393.36	$507.30	$900.66	$400.14	$507.30	$907.44	$6.78	0.8%
		25	5,000	$636.50	$845.50	$1,482.00	$647.80	$845.50	$1,493.30	$11.30	0.8%
		50	10,000	$1,244.35	$1,691.00	$2,935.35	$1,266.95	$1,691.00	$2,957.95	$22.60	0.8%
		100	20,000	$2,460.05	$3,382.00	$5,842.05	$2,505.25	$3,382.00	$5,887.25	$45.20	0.8%
	Avg	2	400	$57.11	$67.64	$124.75	$58.01	$67.64	$125.65	$0.90	0.7%
	Hours Use: 300										
		5	1,500	$197.66	$253.65	$451.31	$201.05	$253.65	$454.70	$3.39	0.8%
		10	3,000	$365.41	$507.30	$872.71	$372.19	$507.30	$879.49	$6.78	0.8%
		15	4,500	$533.79	$760.95	$1,294.74	$543.96	$760.95	$1,304.91	$10.17	0.8%
		25	7,500	$870.55	$1,268.25	$2,138.80	$887.50	$1,268.25	$2,155.75	$16.95	0.8%
		50	15,000	$1,712.45	$2,536.50	$4,248.95	$1,746.35	$2,536.50	$4,282.85	$33.90	0.8%
		100	30,000	$3,396.25	$5,073.00	$8,469.25	$3,464.05	$5,073.00	$8,537.05	$67.80	0.8%
	Avg	19	5,700	$668.49	$963.87	$1,632.36	$681.37	$963.87	$1,645.24	$12.88	0.8%
	Hours Use: 400										
		5	2,000	$261.54	$338.20	$599.74	$266.06	$338.20	$604.26	$4.52	0.8%
		10	4,000	$459.03	$676.40	$1,135.43	$468.07	$676.40	$1,144.47	$9.04	0.8%
		15	6,000	$674.22	$1,014.60	$1,688.82	$687.78	$1,014.60	$1,702.38	$13.56	0.8%
		25	10,000	$1,104.60	$1,691.00	$2,795.60	$1,127.20	$1,691.00	$2,818.20	$22.60	0.8%
		50	20,000	$2,180.55	$3,382.00	$5,562.55	$2,225.75	$3,382.00	$5,607.75	$45.20	0.8%
		100	40,000	$4,332.45	$6,764.00	$11,096.45	$4,422.85	$6,764.00	$11,186.85	$90.40	0.8%
	Avg	27	10,800	$1,190.67	$1,826.28	$3,016.95	$1,215.08	$1,826.28	$3,041.36	$24.41	0.8%

		2023 Planned	2023 MTM	
		Rates	Rates	Change
	Customer Charge	$6.00	$6.00	$0.00
	Distribution Demand <=10 kW	$0.00	$0.00	$0.00
	Distribution Demand >10 kW	$5.59	$5.59	$0.00
	Distribution Energy <=2,300 kWh	$0.04684	$0.04684	$0.00000
	Distribution Energy >2,300 kWh	$0.01269	$0.01269	$0.00000
	Revenue Decoupling	$0.00179	$0.00179	$0.00000
	Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
	Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
	Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
	Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
	Vegetation Management	$0.00129	$0.00129	$0.00000
	Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
	Grid Modernization	$0.00115	$0.00115	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.03572	$0.03572	$0.00000
	Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-1 Seasonal Small General Service

		Monthly	Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
Hours Use: 50											
		5	250	$47.98	$42.28	$90.26	$48.54	$42.28	$90.82	$0.56	0.6%
		10	500	$89.95	$84.55	$174.50	$91.08	$84.55	$175.63	$1.13	0.6%
		20	1,000	$223.20	$169.10	$392.30	$225.46	$169.10	$394.56	$2.26	0.6%
		50	2,500	$581.41	$422.75	$1,004.16	$587.06	$422.75	$1,009.81	$5.65	0.6%
Avg		9	450	$81.56	$76.10	$157.66	$82.57	$76.10	$158.67	$1.01	0.6%
Hours Use: 150											
		5	750	$131.93	$126.83	$258.76	$133.62	$126.83	$260.45	$1.69	0.7%
		10	1,500	$257.85	$253.65	$511.50	$261.24	$253.65	$514.89	$3.39	0.7%
		20	3,000	$487.79	$507.30	$995.09	$494.57	$507.30	$1,001.87	$6.78	0.7%
		50	7,500	$1,124.21	$1,268.25	$2,392.46	$1,141.16	$1,268.25	$2,409.41	$16.95	0.7%
Avg		8	1,200	$207.48	$202.92	$410.40	$210.19	$202.92	$413.11	$2.71	0.7%
Hours Use: 300											
		5	1,500	$257.85	$253.65	$511.50	$261.24	$253.65	$514.89	$3.39	0.7%
		10	3,000	$438.49	$507.30	$945.79	$445.27	$507.30	$952.57	$6.78	0.7%
		20	6,000	$813.47	$1,014.60	$1,828.07	$827.03	$1,014.60	$1,841.63	$13.56	0.7%
		50	15,000	$1,938.41	$2,536.50	$4,474.91	$1,972.31	$2,536.50	$4,508.81	$33.90	0.8%
Avg		9	2,700	$405.92	$456.57	$862.49	$412.03	$456.57	$868.60	$6.11	0.7%

	2023 Planned Rates	2023 MTM Rates	Change
Customer Charge	$6.00	$6.00	$0.00
Distribution Demand <=10 kW	$0.00	$0.00	$0.00
Distribution Demand >10 kW	$4.93	$4.93	$0.00
Distribution Energy <=1,800 kWh	$0.08697	$0.08697	$0.00000
Distribution Energy >1,800 kWh	$0.02763	$0.02763	$0.00000
Revenue Decoupling	$0.00179	$0.00179	$0.00000
Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
Vegetation Management	$0.00129	$0.00129	$0.00000
Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
Grid Modernization	$0.00115	$0.00115	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.03572	$0.03572	$0.00000
Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-2 Medium General Time-of-Use

		Monthly kVA	Monthly kWh	2023 Planned Delivery	2023 Planned Supplier	2023 Planned Total	2023 MTM Delivery	2023 MTM Supplier	2023 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
	Hours Use: 300										
		100	30,000	$3,263.36	$7,199.10	$10,462.46	$3,331.16	$7,199.10	$10,530.26	$67.80	0.6%
		150	45,000	$4,710.04	$10,798.65	$15,508.69	$4,811.74	$10,798.65	$15,610.39	$101.70	0.7%
		200	60,000	$6,156.72	$14,398.20	$20,554.92	$6,292.32	$14,398.20	$20,690.52	$135.60	0.7%
		300	90,000	$9,050.09	$21,597.30	$30,647.39	$9,253.49	$21,597.30	$30,850.79	$203.40	0.7%
		500	150,000	$14,836.81	$35,995.50	$50,832.31	$15,175.81	$35,995.50	$51,171.31	$339.00	0.7%
Avg		205	61,500	$6,301.39	$14,758.16	$21,059.55	$6,440.38	$14,758.16	$21,198.54	$138.99	0.7%
	Hours Use: 400										
		100	40,000	$3,844.82	$9,598.80	$13,443.62	$3,935.22	$9,598.80	$13,534.02	$90.40	0.7%
		150	60,000	$5,582.22	$14,398.20	$19,980.42	$5,717.82	$14,398.20	$20,116.02	$135.60	0.7%
		200	80,000	$7,319.63	$19,197.60	$26,517.23	$7,500.43	$19,197.60	$26,698.03	$180.80	0.7%
		300	120,000	$10,794.45	$28,796.40	$39,590.85	$11,065.65	$28,796.40	$39,862.05	$271.20	0.7%
		500	200,000	$17,744.08	$47,994.00	$65,738.08	$18,196.08	$47,994.00	$66,190.08	$452.00	0.7%
Avg		214	85,600	$7,806.11	$20,541.43	$28,347.54	$7,999.56	$20,541.43	$28,540.99	$193.45	0.7%
	Hours Use: 500										
		100	50,000	$4,426.27	$11,998.50	$16,424.77	$4,539.27	$11,998.50	$16,537.77	$113.00	0.7%
		150	75,000	$6,454.41	$17,997.75	$24,452.16	$6,623.91	$17,997.75	$24,621.66	$169.50	0.7%
		200	100,000	$8,482.54	$23,997.00	$32,479.54	$8,708.54	$23,997.00	$32,705.54	$226.00	0.7%
		300	150,000	$12,538.81	$35,995.50	$48,534.31	$12,877.81	$35,995.50	$48,873.31	$339.00	0.7%
		500	250,000	$20,651.35	$59,992.50	$80,643.85	$21,216.35	$59,992.50	$81,208.85	$565.00	0.7%
Avg		253	126,500	$10,632.36	$30,356.21	$40,988.57	$10,918.25	$30,356.21	$41,274.46	$285.89	0.7%

	2023 Planned Rates	2023 MTM Rates	Change
Customer Charge	$370.00	$370.00	$0.00
Distribution Demand	$1.78	$1.78	$0.00
Transmission Demand	$9.71	$9.71	$0.00
Distribution Energy - Peak	$0.02076	$0.02076	$0.00000
Distribution Energy - Low A	$0.01747	$0.01747	$0.00000
Distribution Energy - Low B	$0.01133	$0.01133	$0.00000
Revenue Decoupling	$0.00118	$0.00118	$0.00000
Solar Massachusetts Renewable Target	$0.00150	$0.00150	$0.00000
Residential Assistance Adjustment Factor	$0.00252	$0.00252	$0.00000
Pension Adjustment Factor	$0.00065	$0.00065	$0.00000
Net Metering Recovery Surcharge	$0.00333	$0.00333	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00141	$0.00141	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00004)	($0.00004)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00044	$0.00044	$0.00000
Vegetation Management	$0.00087	$0.00087	$0.00000
Tax Act Credit Factor	($0.00072)	($0.00072)	$0.00000
Grid Modernization	$0.00076	$0.00076	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.00357	$0.00357	$0.00000
Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.23997	$0.23997	$0.00000

Peak Use:	28%
Low A Use:	25%
Low B Use:	47%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-3 Large General Time-Of-Use

		Monthly kVA	Monthly kWh	2023 Planned Delivery	2023 Planned Supplier	2023 Planned Total	2023 MTM Delivery	2023 MTM Supplier	2023 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
Hours Use: 350											
		500	175,000	$15,243.53	$41,994.75	$57,238.28	$15,639.03	$41,994.75	$57,633.78	$395.50	0.7%
		750	262,500	$22,400.29	$62,992.13	$85,392.42	$22,993.54	$62,992.13	$85,985.67	$593.25	0.7%
		1,000	350,000	$29,557.06	$83,989.50	$113,546.56	$30,348.06	$83,989.50	$114,337.56	$791.00	0.7%
		2,000	700,000	$58,184.11	$167,979.00	$226,163.11	$59,766.11	$167,979.00	$227,745.11	$1,582.00	0.7%
		3,000	1,050,000	$86,811.17	$251,968.50	$338,779.67	$89,184.17	$251,968.50	$341,152.67	$2,373.00	0.7%
Avg		1,066	373,100	$31,446.44	$89,532.81	$120,979.25	$32,289.65	$89,532.81	$121,822.46	$843.21	0.7%
Hours Use: 450											
		500	225,000	$17,527.39	$53,993.25	$71,520.64	$18,035.89	$53,993.25	$72,029.14	$508.50	0.7%
		750	337,500	$25,826.09	$80,989.88	$106,815.97	$26,588.84	$80,989.88	$107,578.72	$762.75	0.7%
		1,000	450,000	$34,124.79	$107,986.50	$142,111.29	$35,141.79	$107,986.50	$143,128.29	$1,017.00	0.7%
		2,000	900,000	$67,319.57	$215,973.00	$283,292.57	$69,353.57	$215,973.00	$285,326.57	$2,034.00	0.7%
		3,000	1,350,000	$100,514.36	$323,959.50	$424,473.86	$103,565.36	$323,959.50	$427,524.86	$3,051.00	0.7%
Avg		788	354,600	$27,087.49	$85,093.36	$112,180.85	$27,888.89	$85,093.36	$112,982.25	$801.40	0.7%
Hours Use: 550											
		500	275,000	$19,811.26	$65,991.75	$85,803.01	$20,432.76	$65,991.75	$86,424.51	$621.50	0.7%
		750	412,500	$29,251.89	$98,987.63	$128,239.52	$30,184.14	$98,987.63	$129,171.77	$932.25	0.7%
		1,000	550,000	$38,692.52	$131,983.50	$170,676.02	$39,935.52	$131,983.50	$171,919.02	$1,243.00	0.7%
		2,000	1,100,000	$76,455.03	$263,967.00	$340,422.03	$78,941.03	$263,967.00	$342,908.03	$2,486.00	0.7%
		3,000	1,650,000	$114,217.55	$395,950.50	$510,168.05	$117,946.55	$395,950.50	$513,897.05	$3,729.00	0.7%
Avg		1,118	614,900	$43,148.49	$147,557.55	$190,706.04	$44,538.17	$147,557.55	$192,095.72	$1,389.68	0.7%

	2023 Planned Rates	2023 MTM Rates	Change
Customer Charge	$930.00	$930.00	$0.00
Distribution Demand	$1.01	$1.01	$0.00
Transmission Demand	$11.63	$11.63	$0.00
Distribution Energy - Peak	$0.01443	$0.01443	$0.00000
Distribution Energy - Low A	$0.01328	$0.01328	$0.00000
Distribution Energy - Low B	$0.00919	$0.00919	$0.00000
Revenue Decoupling	$0.00067	$0.00067	$0.00000
Solar Massachusetts Renewable Target	$0.00086	$0.00086	$0.00000
Residential Assistance Adjustment Factor	$0.00144	$0.00144	$0.00000
Pension Adjustment Factor	$0.00041	$0.00041	$0.00000
Net Metering Recovery Surcharge	$0.00191	$0.00191	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00081	$0.00081	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00002)	($0.00002)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00025	$0.00025	$0.00000
Vegetation Management	$0.00055	$0.00055	$0.00000
Tax Act Credit Factor	($0.00041)	($0.00041)	$0.00000
Grid Modernization	$0.00041	$0.00041	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.00000	$0.00000	$0.00000
Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.23997	$0.23997	$0.00000

Peak Use:	27%
Low A Use:	25%
Low B Use:	48%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-4 General Power

		Monthly	Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		Hours Use: 150									
		20	3,000	$335.45	$507.30	$842.75	$342.23	$507.30	$849.53	$6.78	0.8%
		30	4,500	$500.18	$760.95	$1,261.13	$510.35	$760.95	$1,271.30	$10.17	0.8%
		40	6,000	$664.90	$1,014.60	$1,679.50	$678.46	$1,014.60	$1,693.06	$13.56	0.8%
		70	10,500	$1,159.08	$1,775.55	$2,934.63	$1,182.81	$1,775.55	$2,958.36	$23.73	0.8%
		100	15,000	$1,653.25	$2,536.50	$4,189.75	$1,687.15	$2,536.50	$4,223.65	$33.90	0.8%
	Avg	52	7,800	$862.57	$1,318.98	$2,181.55	$880.20	$1,318.98	$2,199.18	$17.63	0.8%
		Hours Use: 250									
		20	5,000	$476.15	$845.50	$1,321.65	$487.45	$845.50	$1,332.95	$11.30	0.9%
		30	7,500	$711.23	$1,268.25	$1,979.48	$728.18	$1,268.25	$1,996.43	$16.95	0.9%
		40	10,000	$946.30	$1,691.00	$2,637.30	$968.90	$1,691.00	$2,659.90	$22.60	0.9%
		70	17,500	$1,651.53	$2,959.25	$4,610.78	$1,691.08	$2,959.25	$4,650.33	$39.55	0.9%
		100	25,000	$2,356.75	$4,227.50	$6,584.25	$2,413.25	$4,227.50	$6,640.75	$56.50	0.9%
	Avg	27	6,750	$640.70	$1,141.43	$1,782.13	$655.96	$1,141.43	$1,797.39	$15.26	0.9%
		Hours Use: 350									
		20	7,000	$616.85	$1,183.70	$1,800.55	$632.67	$1,183.70	$1,816.37	$15.82	0.9%
		30	10,500	$922.28	$1,775.55	$2,697.83	$946.01	$1,775.55	$2,721.56	$23.73	0.9%
		40	14,000	$1,227.70	$2,367.40	$3,595.10	$1,259.34	$2,367.40	$3,626.74	$31.64	0.9%
		70	24,500	$2,143.98	$4,142.95	$6,286.93	$2,199.35	$4,142.95	$6,342.30	$55.37	0.9%
		100	35,000	$3,060.25	$5,918.50	$8,978.75	$3,139.35	$5,918.50	$9,057.85	$79.10	0.9%
	Avg	27	9,450	$830.65	$1,598.00	$2,428.65	$852.00	$1,598.00	$2,450.00	$21.35	0.9%

	2023 Planned Rates	2023 MTM Rates	Change
Customer Charge	$6.00	$6.00	$0.00
Distribution Demand	$1.99	$1.99	$0.00
Transmission Demand	$3.93	$3.93	$0.00
Distribution Energy	$0.02282	$0.02282	$0.00000
Revenue Decoupling	$0.00151	$0.00151	$0.00000
Solar Massachusetts Renewable Target	$0.00193	$0.00193	$0.00000
Residential Assistance Adjustment Factor	$0.00323	$0.00323	$0.00000
Pension Adjustment Factor	$0.00094	$0.00094	$0.00000
Net Metering Recovery Surcharge	$0.00427	$0.00427	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00179	$0.00179	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00006)	($0.00006)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00057	$0.00057	$0.00000
Vegetation Management	$0.00126	$0.00126	$0.00000
Tax Act Credit Factor	($0.00092)	($0.00092)	$0.00000
Grid Modernization	$0.00095	$0.00095	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.00489	$0.00489	$0.00000
Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-5 Commercial Space Heating

		Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$19.13	$16.91	$36.04	$19.36	$16.91	$36.27	$0.23	0.6%
		200	$32.27	$33.82	$66.09	$32.72	$33.82	$66.54	$0.45	0.7%
		300	$45.40	$50.73	$96.13	$46.08	$50.73	$96.81	$0.68	0.7%
		500	$71.67	$84.55	$156.22	$72.80	$84.55	$157.35	$1.13	0.7%
		750	$104.50	$126.83	$231.33	$106.19	$126.83	$233.02	$1.69	0.7%
		1,000	$137.33	$169.10	$306.43	$139.59	$169.10	$308.69	$2.26	0.7%
		1,500	$203.00	$253.65	$456.65	$206.39	$253.65	$460.04	$3.39	0.7%
		3,000	$399.99	$507.30	$907.29	$406.77	$507.30	$914.07	$6.78	0.7%
		5,000	$662.65	$845.50	$1,508.15	$673.95	$845.50	$1,519.45	$11.30	0.7%
	Avg	1,472	$199.32	$248.92	$448.24	$202.64	$248.92	$451.56	$3.32	0.7%

		2023 Planned Rates	2023 MTM Rates	Change
	Customer Charge	$6.00	$6.00	$0.00
	Distribution Energy	$0.04120	$0.04120	$0.00000
	Revenue Decoupling	$0.00231	$0.00231	$0.00000
	Solar Massachusetts Renewable Target	$0.00295	$0.00295	$0.00000
	Residential Assistance Adjustment Factor	$0.00495	$0.00495	$0.00000
	Pension Adjustment Factor	$0.00206	$0.00206	$0.00000
	Net Metering Recovery Surcharge	$0.00654	$0.00654	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00277	$0.00277	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00009)	($0.00009)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00087	$0.00087	$0.00000
	Vegetation Management	$0.00274	$0.00274	$0.00000
	Tax Act Credit Factor	($0.00141)	($0.00141)	$0.00000
	Grid Modernization	$0.00164	$0.00164	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.03763	$0.03763	$0.00000
	Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-6 All Electric Schools

		Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
3		25,000	$2,238.50	$4,227.50	$6,466.00	$2,295.00	$4,227.50	$6,522.50	$56.50	0.9%
4		40,000	$3,563.60	$6,764.00	$10,327.60	$3,654.00	$6,764.00	$10,418.00	$90.40	0.9%
5		50,000	$4,447.00	$8,455.00	$12,902.00	$4,560.00	$8,455.00	$13,015.00	$113.00	0.9%
6		60,000	$5,330.40	$10,146.00	$15,476.40	$5,466.00	$10,146.00	$15,612.00	$135.60	0.9%
7		150,000	$13,281.00	$25,365.00	$38,646.00	$13,620.00	$25,365.00	$38,985.00	$339.00	0.9%
8	Avg	60,748	$5,396.48	$10,272.49	$15,668.97	$5,533.77	$10,272.49	$15,806.26	$137.29	0.9%

		2023 Planned Rates	2023 MTM Rates	Change
11	Customer Charge	$30.00	$30.00	$0.00
12	Distribution Energy	$0.01867	$0.01867	$0.00000
13	Revenue Decoupling	$0.00076	$0.00076	$0.00000
14	Solar Massachusetts Renewable Target	$0.00097	$0.00097	$0.00000
15	Residential Assistance Adjustment Factor	$0.00163	$0.00163	$0.00000
16	Pension Adjustment Factor	$0.00075	$0.00075	$0.00000
17	Net Metering Recovery Surcharge	$0.00216	$0.00216	$0.00000
18	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
19	AG Consulting Expense	$0.00000	$0.00000	$0.00000
20	Storm Cost Recovery Adjustment Factor	$0.00090	$0.00090	$0.00000
21	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
22	Basic Service Cost True Up Factor	($0.00003)	($0.00003)	$0.00000
23	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
24	Solar Expansion Cost Recovery Factor	$0.00028	$0.00028	$0.00000
25	Vegetation Management	$0.00100	$0.00100	$0.00000
26	Tax Act Credit Factor	($0.00046)	($0.00046)	$0.00000
27	Grid Modernization	$0.00047	$0.00047	$0.00000
28	Transition	($0.00177)	($0.00177)	$0.00000
29	Transmission Energy	$0.03407	$0.03407	$0.00000
30	Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
31	System Benefits Charge	$0.00250	$0.00250	$0.00000
32	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
33	Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-7 Optional General Time-of-Use

		Monthly kVA	Monthly kWh	2023 Planned Delivery	2023 Planned Supplier	2023 Planned Total	2023 MTM Delivery	2023 MTM Supplier	2023 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
		Hours Use: 350									
		5	1,750	$209.49	$295.93	$505.42	$213.45	$295.93	$509.38	$3.96	0.8%
		10	3,500	$408.99	$591.85	$1,000.84	$416.90	$591.85	$1,008.75	$7.91	0.8%
		20	7,000	$807.98	$1,183.70	$1,991.68	$823.80	$1,183.70	$2,007.50	$15.82	0.8%
		50	17,500	$2,004.95	$2,959.25	$4,964.20	$2,044.50	$2,959.25	$5,003.75	$39.55	0.8%
		75	26,250	$3,002.42	$4,438.88	$7,441.30	$3,061.74	$4,438.88	$7,500.62	$59.32	0.8%
	Avg	20	7,000	$807.98	$1,183.70	$1,991.68	$823.80	$1,183.70	$2,007.50	$15.82	0.8%
		Hours Use: 500									
		5	2,500	$258.59	$422.75	$681.34	$264.24	$422.75	$686.99	$5.65	0.8%
		10	5,000	$507.17	$845.50	$1,352.67	$518.47	$845.50	$1,363.97	$11.30	0.8%
		20	10,000	$1,004.34	$1,691.00	$2,695.34	$1,026.94	$1,691.00	$2,717.94	$22.60	0.8%
		50	25,000	$2,495.85	$4,227.50	$6,723.35	$2,552.35	$4,227.50	$6,779.85	$56.50	0.8%
		75	37,500	$3,738.78	$6,341.25	$10,080.03	$3,823.53	$6,341.25	$10,164.78	$84.75	0.8%
	Avg	31	15,500	$1,551.23	$2,621.05	$4,172.28	$1,586.26	$2,621.05	$4,207.31	$35.03	0.8%
		Hours Use: 650									
		5	3,250	$307.68	$549.58	$857.26	$315.02	$549.58	$864.60	$7.34	0.9%
		10	6,500	$605.35	$1,099.15	$1,704.50	$620.04	$1,099.15	$1,719.19	$14.69	0.9%
		20	13,000	$1,200.70	$2,198.30	$3,399.00	$1,230.08	$2,198.30	$3,428.38	$29.38	0.9%
		50	32,500	$2,986.76	$5,495.75	$8,482.51	$3,060.21	$5,495.75	$8,555.96	$73.45	0.9%
		75	48,750	$4,475.13	$8,243.63	$12,718.76	$4,585.31	$8,243.63	$12,828.94	$110.18	0.9%
	Avg	18	11,700	$1,081.63	$1,978.47	$3,060.10	$1,108.07	$1,978.47	$3,086.54	$26.44	0.9%

		2023 Planned Rates	2023 MTM Rates	Change
	Customer Charge	$10.00	$10.00	$0.00
	Distribution Demand	$3.81	$3.81	$0.00
	Transmission Demand	$13.18	$13.18	$0.00
	Distribution Energy - Peak	$0.02621	$0.02621	$0.00000
	Distribution Energy - Low Load	$0.01836	$0.01836	$0.00000
	Revenue Decoupling	$0.00179	$0.00179	$0.00000
	Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
	Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
	Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
	Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
	Vegetation Management	$0.00129	$0.00129	$0.00000
	Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
	Grid Modernization	$0.00115	$0.00115	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

	Peak Use:	24%
	Low A Use:	76%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-7 Optional Seasonal General Time-of-Use

		Monthly	Monthly	2023 Planned			2023 MTM			Total Bill Impact	
		kVA	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		Hours Use: 50									
		5	250	$78.52	$42.28	$120.80	$79.08	$42.28	$121.36	$0.56	0.5%
		10	500	$147.04	$84.55	$231.59	$148.17	$84.55	$232.72	$1.13	0.5%
		20	1,000	$284.08	$169.10	$453.18	$286.34	$169.10	$455.44	$2.26	0.5%
		50	2,500	$695.20	$422.75	$1,117.95	$700.85	$422.75	$1,123.60	$5.65	0.5%
		75	3,750	$1,037.80	$634.13	$1,671.93	$1,046.27	$634.13	$1,680.40	$8.47	0.5%
	Avg	9	450	$133.34	$76.10	$209.44	$134.35	$76.10	$210.45	$1.01	0.5%
		Hours Use: 150									
		5	750	$123.56	$126.83	$250.39	$125.25	$126.83	$252.08	$1.69	0.7%
		10	1,500	$237.12	$253.65	$490.77	$240.51	$253.65	$494.16	$3.39	0.7%
		20	3,000	$464.24	$507.30	$971.54	$471.02	$507.30	$978.32	$6.78	0.7%
		50	7,500	$1,145.60	$1,268.25	$2,413.85	$1,162.55	$1,268.25	$2,430.80	$16.95	0.7%
		75	11,250	$1,713.40	$1,902.38	$3,615.78	$1,738.82	$1,902.38	$3,641.20	$25.42	0.7%
	Avg	10	1,500	$237.12	$253.65	$490.77	$240.51	$253.65	$494.16	$3.39	0.7%
		Hours Use: 300									
		5	1,500	$191.12	$253.65	$444.77	$194.51	$253.65	$448.16	$3.39	0.8%
		10	3,000	$372.24	$507.30	$879.54	$379.02	$507.30	$886.32	$6.78	0.8%
		20	6,000	$734.48	$1,014.60	$1,749.08	$748.04	$1,014.60	$1,762.64	$13.56	0.8%
		50	15,000	$1,821.20	$2,536.50	$4,357.70	$1,855.10	$2,536.50	$4,391.60	$33.90	0.8%
		75	22,500	$2,726.80	$3,804.75	$6,531.55	$2,777.65	$3,804.75	$6,582.40	$50.85	0.8%
	Avg	13	3,900	$480.91	$659.49	$1,140.40	$489.73	$659.49	$1,149.22	$8.82	0.8%

		2023 Planned Rates	2023 MTM Rates	Change
	Customer Charge	$10.00	$10.00	$0.00
	Distribution Demand	$3.86	$3.86	$0.00
	Transmission Demand	$5.34	$5.34	$0.00
	Distribution Energy - Peak	$0.05113	$0.05113	$0.00000
	Distribution Energy - Low Load	$0.04300	$0.04300	$0.00000
	Revenue Decoupling	$0.00179	$0.00179	$0.00000
	Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
	Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
	Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
	Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
	Vegetation Management	$0.00129	$0.00129	$0.00000
	Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
	Grid Modernization	$0.00115	$0.00115	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Energy Efficiency Reconciliation Factor	$0.02639	$0.02865	$0.00226
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

	Peak Use:	23%
	Low A Use:	77%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-1 Residential

		Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
3		100	$23.87	$17.00	$40.87	$24.32	$17.00	$41.32	$0.45	1.1%
4		200	$40.74	$34.00	$74.74	$41.64	$34.00	$75.64	$0.90	1.2%
5		300	$57.61	$51.00	$108.61	$58.96	$51.00	$109.96	$1.35	1.2%
6		400	$74.48	$68.00	$142.48	$76.28	$68.00	$144.28	$1.80	1.3%
7		500	$91.36	$85.00	$176.36	$93.61	$85.00	$178.61	$2.25	1.3%
8		600	$108.23	$101.99	$210.22	$110.93	$101.99	$212.92	$2.70	1.3%
9		700	$125.10	$118.99	$244.09	$128.25	$118.99	$247.24	$3.15	1.3%
10		800	$141.97	$135.99	$277.96	$145.57	$135.99	$281.56	$3.60	1.3%
11		900	$158.84	$152.99	$311.83	$162.89	$152.99	$315.88	$4.05	1.3%
12		1,000	$175.71	$169.99	$345.70	$180.21	$169.99	$350.20	$4.50	1.3%
13		1,250	$217.89	$212.49	$430.38	$223.51	$212.49	$436.00	$5.62	1.3%
14		1,500	$260.07	$254.99	$515.06	$266.82	$254.99	$521.81	$6.75	1.3%
15		2,000	$344.42	$339.98	$684.40	$353.42	$339.98	$693.40	$9.00	1.3%
16	Avg	516	$94.05	$87.71	$181.76	$96.38	$87.71	$184.09	$2.33	1.3%

		2024 Planned Rates	2024 MTM Rates	Change
19	Customer Charge	$7.00	$7.00	$0.00
20	Distribution Energy	$0.05165	$0.05165	$0.00000
21	Revenue Decoupling	$0.00267	$0.00267	$0.00000
22	Solar Massachusetts Renewable Target	$0.00341	$0.00341	$0.00000
23	Residential Assistance Adjustment Factor	$0.00572	$0.00572	$0.00000
24	Pension Adjustment Factor	$0.00120	$0.00120	$0.00000
25	Net Metering Recovery Surcharge	$0.00756	$0.00756	$0.00000
26	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
27	AG Consulting Expense	$0.00000	$0.00000	$0.00000
28	Storm Cost Recovery Adjustment Factor	$0.00322	$0.00322	$0.00000
29	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
30	Basic Service Cost True Up Factor	($0.00011)	($0.00011)	$0.00000
31	Solar Program Cost Adjustment Factor	($0.00001)	($0.00001)	$0.00000
32	Solar Expansion Cost Recovery Factor	$0.00101	$0.00101	$0.00000
33	Vegetation Management	$0.00159	$0.00159	$0.00000
34	Tax Act Credit Factor	($0.00163)	($0.00163)	$0.00000
35	Grid Modernization	$0.00172	$0.00172	$0.00000
36	Transition	($0.00177)	($0.00177)	$0.00000
37	Transmission Energy	$0.04437	$0.04437	$0.00000
38	Energy Efficiency Reconciliation Factor	$0.04556	$0.05006	$0.00450
39	System Benefits Charge	$0.00250	$0.00250	$0.00000
40	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
41	Supply Charge	$0.16999	$0.16999	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-2 Residential Assistance

		Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$12.55	$10.88	$23.43	$12.80	$10.88	$23.68	$0.25	1.1%
		200	$20.62	$21.76	$42.38	$21.12	$21.76	$42.88	$0.50	1.2%
		300	$28.69	$32.64	$61.33	$29.44	$32.64	$62.08	$0.75	1.2%
		400	$36.76	$43.52	$80.28	$37.77	$43.52	$81.29	$1.01	1.3%
		500	$44.84	$54.40	$99.24	$46.09	$54.40	$100.49	$1.25	1.3%
		600	$52.91	$65.28	$118.19	$54.41	$65.28	$119.69	$1.50	1.3%
		700	$60.98	$76.16	$137.14	$62.73	$76.16	$138.89	$1.75	1.3%
		800	$69.05	$87.03	$156.08	$71.05	$87.03	$158.08	$2.00	1.3%
		900	$77.12	$97.91	$175.03	$79.37	$97.91	$177.28	$2.25	1.3%
		1,000	$85.19	$108.79	$193.98	$87.69	$108.79	$196.48	$2.50	1.3%
		1,250	$105.37	$135.99	$241.36	$108.50	$135.99	$244.49	$3.13	1.3%
		1,500	$125.55	$163.19	$288.74	$129.30	$163.19	$292.49	$3.75	1.3%
		2,000	$165.90	$217.59	$383.49	$170.91	$217.59	$388.50	$5.01	1.3%
	Avg	488	$43.87	$53.09	$96.96	$45.09	$53.09	$98.18	$1.22	1.3%

		2024 Planned Rates	2024 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.05165	$0.05165	$0.00000
	Revenue Decoupling	$0.00267	$0.00267	$0.00000
	Solar Massachusetts Renewable Target	$0.00341	$0.00341	$0.00000
	Residential Assistance Adjustment Factor	$0.00572	$0.00572	$0.00000
	Pension Adjustment Factor	$0.00120	$0.00120	$0.00000
	Net Metering Recovery Surcharge	$0.00756	$0.00756	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00322	$0.00322	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00011)	($0.00011)	$0.00000
	Solar Program Cost Adjustment Factor	($0.00001)	($0.00001)	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00101	$0.00101	$0.00000
	Vegetation Management	$0.00159	$0.00159	$0.00000
	Tax Act Credit Factor	($0.00163)	($0.00163)	$0.00000
	Grid Modernization	$0.00172	$0.00172	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04437	$0.04437	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00296	$0.00687	$0.00391
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000
	Low Income Discount	36%	36%	0%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-3 Residential Space Heating

		Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$22.30	$17.00	$39.30	$22.75	$17.00	$39.75	$0.45	1.1%
		200	$37.61	$34.00	$71.61	$38.51	$34.00	$72.51	$0.90	1.3%
		300	$52.91	$51.00	$103.91	$54.26	$51.00	$105.26	$1.35	1.3%
		400	$68.21	$68.00	$136.21	$70.01	$68.00	$138.01	$1.80	1.3%
		500	$83.52	$85.00	$168.52	$85.77	$85.00	$170.77	$2.25	1.3%
		600	$98.82	$101.99	$200.81	$101.52	$101.99	$203.51	$2.70	1.3%
		700	$114.12	$118.99	$233.11	$117.27	$118.99	$236.26	$3.15	1.4%
		800	$129.42	$135.99	$265.41	$133.02	$135.99	$269.01	$3.60	1.4%
		900	$144.73	$152.99	$297.72	$148.78	$152.99	$301.77	$4.05	1.4%
		1,000	$160.03	$169.99	$330.02	$164.53	$169.99	$334.52	$4.50	1.4%
		1,250	$198.29	$212.49	$410.78	$203.91	$212.49	$416.40	$5.62	1.4%
		1,500	$236.55	$254.99	$491.54	$243.30	$254.99	$498.29	$6.75	1.4%
		2,000	$313.06	$339.98	$653.04	$322.06	$339.98	$662.04	$9.00	1.4%
	Avg	740	$120.24	$125.79	$246.03	$123.57	$125.79	$249.36	$3.33	1.4%

		2024 Planned Rates	2024 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.04494	$0.04494	$0.00000
	Revenue Decoupling	$0.00211	$0.00211	$0.00000
	Solar Massachusetts Renewable Target	$0.00270	$0.00270	$0.00000
	Residential Assistance Adjustment Factor	$0.00452	$0.00452	$0.00000
	Pension Adjustment Factor	$0.00115	$0.00115	$0.00000
	Net Metering Recovery Surcharge	$0.00598	$0.00598	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00254	$0.00254	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00008)	($0.00008)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00080	$0.00080	$0.00000
	Vegetation Management	$0.00153	$0.00153	$0.00000
	Tax Act Credit Factor	($0.00129)	($0.00129)	$0.00000
	Grid Modernization	$0.00140	$0.00140	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04039	$0.04039	$0.00000
	Energy Efficiency Reconciliation Factor	$0.04556	$0.05006	$0.00450
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

Rate R-4 Residential Assistance Space Heating

		Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$11.55	$10.88	$22.43	$11.80	$10.88	$22.68	$0.25	1.1%
		200	$18.62	$21.76	$40.38	$19.12	$21.76	$40.88	$0.50	1.2%
		300	$25.68	$32.64	$58.32	$26.43	$32.64	$59.07	$0.75	1.3%
		400	$32.75	$43.52	$76.27	$33.75	$43.52	$77.27	$1.00	1.3%
		500	$39.82	$54.40	$94.22	$41.07	$54.40	$95.47	$1.25	1.3%
		600	$46.89	$65.28	$112.17	$48.39	$65.28	$113.67	$1.50	1.3%
		700	$53.95	$76.16	$130.11	$55.70	$76.16	$131.86	$1.75	1.3%
		800	$61.02	$87.03	$148.05	$63.02	$87.03	$150.05	$2.00	1.4%
		900	$68.09	$97.91	$166.00	$70.34	$97.91	$168.25	$2.25	1.4%
		1,000	$75.16	$108.79	$183.95	$77.66	$108.79	$186.45	$2.50	1.4%
		1,250	$92.82	$135.99	$228.81	$95.95	$135.99	$231.94	$3.13	1.4%
		1,500	$110.49	$163.19	$273.68	$114.25	$163.19	$277.44	$3.76	1.4%
		2,000	$145.83	$217.59	$363.42	$150.84	$217.59	$368.43	$5.01	1.4%
	Avg	874	$66.25	$95.09	$161.34	$68.44	$95.09	$163.53	$2.19	1.4%

		2024 Planned Rates	2024 MTM Rates	Change
	Customer Charge	$7.00	$7.00	$0.00
	Distribution Energy	$0.04494	$0.04494	$0.00000
	Revenue Decoupling	$0.00211	$0.00211	$0.00000
	Solar Massachusetts Renewable Target	$0.00270	$0.00270	$0.00000
	Residential Assistance Adjustment Factor	$0.00452	$0.00452	$0.00000
	Pension Adjustment Factor	$0.00115	$0.00115	$0.00000
	Net Metering Recovery Surcharge	$0.00598	$0.00598	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00254	$0.00254	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00008)	($0.00008)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00080	$0.00080	$0.00000
	Vegetation Management	$0.00153	$0.00153	$0.00000
	Tax Act Credit Factor	($0.00129)	($0.00129)	$0.00000
	Grid Modernization	$0.00140	$0.00140	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.04039	$0.04039	$0.00000
	Energy Efficiency Reconciliation Factor	$0.00296	$0.00687	$0.00391
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16999	$0.16999	$0.00000
	Low Income Discount	36%	36%	0%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-1 Small General Service

		Monthly	Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
	Hours Use: 200										
		5	1,000	$134.91	$169.10	$304.01	$137.17	$169.10	$306.27	$2.26	0.7%
		10	2,000	$263.82	$338.20	$602.02	$268.34	$338.20	$606.54	$4.52	0.8%
		15	3,000	$396.78	$507.30	$904.08	$403.56	$507.30	$910.86	$6.78	0.7%
		25	5,000	$642.20	$845.50	$1,487.70	$653.50	$845.50	$1,499.00	$11.30	0.8%
		50	10,000	$1,255.75	$1,691.00	$2,946.75	$1,278.35	$1,691.00	$2,969.35	$22.60	0.8%
		100	20,000	$2,482.85	$3,382.00	$5,864.85	$2,528.05	$3,382.00	$5,910.05	$45.20	0.8%
Avg		2	400	$57.56	$67.64	$125.20	$58.47	$67.64	$126.11	$0.91	0.7%
	Hours Use: 300										
		5	1,500	$199.37	$253.65	$453.02	$202.76	$253.65	$456.41	$3.39	0.7%
		10	3,000	$368.83	$507.30	$876.13	$375.61	$507.30	$882.91	$6.78	0.8%
		15	4,500	$538.92	$760.95	$1,299.87	$549.09	$760.95	$1,310.04	$10.17	0.8%
		25	7,500	$879.10	$1,268.25	$2,147.35	$896.05	$1,268.25	$2,164.30	$16.95	0.8%
		50	15,000	$1,729.55	$2,536.50	$4,266.05	$1,763.45	$2,536.50	$4,299.95	$33.90	0.8%
		100	30,000	$3,430.45	$5,073.00	$8,503.45	$3,498.25	$5,073.00	$8,571.25	$67.80	0.8%
Avg		19	5,700	$674.99	$963.87	$1,638.86	$687.87	$963.87	$1,651.74	$12.88	0.8%
	Hours Use: 400										
		5	2,000	$263.82	$338.20	$602.02	$268.34	$338.20	$606.54	$4.52	0.8%
		10	4,000	$463.59	$676.40	$1,139.99	$472.63	$676.40	$1,149.03	$9.04	0.8%
		15	6,000	$681.06	$1,014.60	$1,695.66	$694.62	$1,014.60	$1,709.22	$13.56	0.8%
		25	10,000	$1,116.00	$1,691.00	$2,807.00	$1,138.60	$1,691.00	$2,829.60	$22.60	0.8%
		50	20,000	$2,203.35	$3,382.00	$5,585.35	$2,248.55	$3,382.00	$5,630.55	$45.20	0.8%
		100	40,000	$4,378.05	$6,764.00	$11,142.05	$4,468.45	$6,764.00	$11,232.45	$90.40	0.8%
Avg		27	10,800	$1,202.98	$1,826.28	$3,029.26	$1,227.39	$1,826.28	$3,053.67	$24.41	0.8%

	2024 Planned Rates	2024 MTM Rates	Change
Customer Charge	$6.00	$6.00	$0.00
Distribution Demand <=10 kW	$0.00	$0.00	$0.00
Distribution Demand >10 kW	$5.59	$5.59	$0.00
Distribution Energy <=2,300 kWh	$0.04684	$0.04684	$0.00000
Distribution Energy >2,300 kWh	$0.01269	$0.01269	$0.00000
Revenue Decoupling	$0.00179	$0.00179	$0.00000
Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
Vegetation Management	$0.00129	$0.00129	$0.00000
Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
Grid Modernization	$0.00115	$0.00115	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.03572	$0.03572	$0.00000
Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-1 Seasonal Small General Service

		Monthly	Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
	Hours Use: 50										
		5	250	$48.26	$42.28	$90.54	$48.83	$42.28	$91.11	$0.57	0.6%
		10	500	$90.52	$84.55	$175.07	$91.65	$84.55	$176.20	$1.13	0.6%
		20	1,000	$224.34	$169.10	$393.44	$226.60	$169.10	$395.70	$2.26	0.6%
		50	2,500	$584.26	$422.75	$1,007.01	$589.91	$422.75	$1,012.66	$5.65	0.6%
Avg		9	450	$82.07	$76.10	$158.17	$83.09	$76.10	$159.19	$1.02	0.6%
	Hours Use: 150										
		5	750	$132.78	$126.83	$259.61	$134.48	$126.83	$261.31	$1.70	0.7%
		10	1,500	$259.56	$253.65	$513.21	$262.95	$253.65	$516.60	$3.39	0.7%
		20	3,000	$491.21	$507.30	$998.51	$497.99	$507.30	$1,005.29	$6.78	0.7%
		50	7,500	$1,132.76	$1,268.25	$2,401.01	$1,149.71	$1,268.25	$2,417.96	$16.95	0.7%
Avg		8	1,200	$208.85	$202.92	$411.77	$211.56	$202.92	$414.48	$2.71	0.7%
	Hours Use: 300										
		5	1,500	$259.56	$253.65	$513.21	$262.95	$253.65	$516.60	$3.39	0.7%
		10	3,000	$441.91	$507.30	$949.21	$448.69	$507.30	$955.99	$6.78	0.7%
		20	6,000	$820.31	$1,014.60	$1,834.91	$833.87	$1,014.60	$1,848.47	$13.56	0.7%
		50	15,000	$1,955.51	$2,536.50	$4,492.01	$1,989.41	$2,536.50	$4,525.91	$33.90	0.8%
Avg		9	2,700	$409.00	$456.57	$865.57	$415.10	$456.57	$871.67	$6.10	0.7%

	2024 Planned Rates	2024 MTM Rates	Change
Customer Charge	$6.00	$6.00	$0.00
Distribution Demand <=10 kW	$0.00	$0.00	$0.00
Distribution Demand >10 kW	$4.93	$4.93	$0.00
Distribution Energy <=1,800 kWh	$0.08697	$0.08697	$0.00000
Distribution Energy >1,800 kWh	$0.02763	$0.02763	$0.00000
Revenue Decoupling	$0.00179	$0.00179	$0.00000
Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
Vegetation Management	$0.00129	$0.00129	$0.00000
Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
Grid Modernization	$0.00115	$0.00115	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.03572	$0.03572	$0.00000
Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-2 Medium General Time-of-Use

		Monthly kVA	Monthly kWh	2024 Planned Delivery	2024 Planned Supplier	2024 Planned Total	2024 MTM Delivery	2024 MTM Supplier	2024 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
	Hours Use: 300										
		100	30,000	$3,297.56	$7,199.10	$10,496.66	$3,365.36	$7,199.10	$10,564.46	$67.80	0.6%
		150	45,000	$4,761.34	$10,798.65	$15,559.99	$4,863.04	$10,798.65	$15,661.69	$101.70	0.7%
		200	60,000	$6,225.12	$14,398.20	$20,623.32	$6,360.72	$14,398.20	$20,758.92	$135.60	0.7%
		300	90,000	$9,152.69	$21,597.30	$30,749.99	$9,356.09	$21,597.30	$30,953.39	$203.40	0.7%
		500	150,000	$15,007.81	$35,995.50	$51,003.31	$15,346.81	$35,995.50	$51,342.31	$339.00	0.7%
Avg		205	61,500	$6,371.50	$14,758.16	$21,129.66	$6,510.49	$14,758.16	$21,268.65	$138.99	0.7%
	Hours Use: 400										
		100	40,000	$3,890.42	$9,598.80	$13,489.22	$3,980.82	$9,598.80	$13,579.62	$90.40	0.7%
		150	60,000	$5,650.62	$14,398.20	$20,048.82	$5,786.22	$14,398.20	$20,184.42	$135.60	0.7%
		200	80,000	$7,410.83	$19,197.60	$26,608.43	$7,591.63	$19,197.60	$26,789.23	$180.80	0.7%
		300	120,000	$10,931.25	$28,796.40	$39,727.65	$11,202.45	$28,796.40	$39,998.85	$271.20	0.7%
		500	200,000	$17,972.08	$47,994.00	$65,966.08	$18,424.08	$47,994.00	$66,418.08	$452.00	0.7%
Avg		214	85,600	$7,903.69	$20,541.43	$28,445.12	$8,097.15	$20,541.43	$28,638.58	$193.46	0.7%
	Hours Use: 500										
		100	50,000	$4,483.27	$11,998.50	$16,481.77	$4,596.27	$11,998.50	$16,594.77	$113.00	0.7%
		150	75,000	$6,539.91	$17,997.75	$24,537.66	$6,709.41	$17,997.75	$24,707.16	$169.50	0.7%
		200	100,000	$8,596.54	$23,997.00	$32,593.54	$8,822.54	$23,997.00	$32,819.54	$226.00	0.7%
		300	150,000	$12,709.81	$35,995.50	$48,705.31	$13,048.81	$35,995.50	$49,044.31	$339.00	0.7%
		500	250,000	$20,936.35	$59,992.50	$80,928.85	$21,501.35	$59,992.50	$81,493.85	$565.00	0.7%
Avg		253	126,500	$10,776.57	$30,356.21	$41,132.78	$11,062.46	$30,356.21	$41,418.67	$285.89	0.7%

	2024 Planned Rates	2024 MTM Rates	Change
Customer Charge	$370.00	$370.00	$0.00
Distribution Demand	$1.78	$1.78	$0.00
Transmission Demand	$9.71	$9.71	$0.00
Distribution Energy - Peak	$0.02076	$0.02076	$0.00000
Distribution Energy - Low A	$0.01747	$0.01747	$0.00000
Distribution Energy - Low B	$0.01133	$0.01133	$0.00000
Revenue Decoupling	$0.00118	$0.00118	$0.00000
Solar Massachusetts Renewable Target	$0.00150	$0.00150	$0.00000
Residential Assistance Adjustment Factor	$0.00252	$0.00252	$0.00000
Pension Adjustment Factor	$0.00065	$0.00065	$0.00000
Net Metering Recovery Surcharge	$0.00333	$0.00333	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00141	$0.00141	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00004)	($0.00004)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00044	$0.00044	$0.00000
Vegetation Management	$0.00087	$0.00087	$0.00000
Tax Act Credit Factor	($0.00072)	($0.00072)	$0.00000
Grid Modernization	$0.00076	$0.00076	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.00357	$0.00357	$0.00000
Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.23997	$0.23997	$0.00000

Peak Use:	28%
Low A Use:	25%
Low B Use:	47%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-3 Large General Time-Of-Use

		Monthly kVA	Monthly kWh	2024 Planned Delivery	2024 Planned Supplier	2024 Planned Total	2024 MTM Delivery	2024 MTM Supplier	2024 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
		Hours Use: 350									
		500	175,000	$15,443.03	$41,994.75	$57,437.78	$15,838.53	$41,994.75	$57,833.28	$395.50	0.7%
		750	262,500	$22,699.54	$62,992.13	$85,691.67	$23,292.79	$62,992.13	$86,284.92	$593.25	0.7%
		1,000	350,000	$29,956.06	$83,989.50	$113,945.56	$30,747.06	$83,989.50	$114,736.56	$791.00	0.7%
		2,000	700,000	$58,982.11	$167,979.00	$226,961.11	$60,564.11	$167,979.00	$228,543.11	$1,582.00	0.7%
		3,000	1,050,000	$88,008.17	$251,968.50	$339,976.67	$90,381.17	$251,968.50	$342,349.67	$2,373.00	0.7%
	Avg	1,066	373,100	$31,871.77	$89,532.81	$121,404.58	$32,714.98	$89,532.81	$122,247.79	$843.21	0.7%
		Hours Use: 450									
		500	225,000	$17,783.89	$53,993.25	$71,777.14	$18,292.39	$53,993.25	$72,285.64	$508.50	0.7%
		750	337,500	$26,210.84	$80,989.88	$107,200.72	$26,973.59	$80,989.88	$107,963.47	$762.75	0.7%
		1,000	450,000	$34,637.79	$107,986.50	$142,624.29	$35,654.79	$107,986.50	$143,641.29	$1,017.00	0.7%
		2,000	900,000	$68,345.57	$215,973.00	$284,318.57	$70,379.57	$215,973.00	$286,352.57	$2,034.00	0.7%
		3,000	1,350,000	$102,053.36	$323,959.50	$426,012.86	$105,104.36	$323,959.50	$429,063.86	$3,051.00	0.7%
	Avg	788	354,600	$27,491.73	$85,093.36	$112,585.09	$28,293.13	$85,093.36	$113,386.49	$801.40	0.7%
		Hours Use: 550									
		500	275,000	$20,124.76	$65,991.75	$86,116.51	$20,746.26	$65,991.75	$86,738.01	$621.50	0.7%
		750	412,500	$29,722.14	$98,987.63	$128,709.77	$30,654.39	$98,987.63	$129,642.02	$932.25	0.7%
		1,000	550,000	$39,319.52	$131,983.50	$171,303.02	$40,562.52	$131,983.50	$172,546.02	$1,243.00	0.7%
		2,000	1,100,000	$77,709.03	$263,967.00	$341,676.03	$80,195.03	$263,967.00	$344,162.03	$2,486.00	0.7%
		3,000	1,650,000	$116,098.55	$395,950.50	$512,049.05	$119,827.55	$395,950.50	$515,778.05	$3,729.00	0.7%
	Avg	1,118	614,900	$43,849.48	$147,557.55	$191,407.03	$45,239.15	$147,557.55	$192,796.70	$1,389.67	0.7%

		2024 Planned Rates	2024 MTM Rates	Change
	Customer Charge	$930.00	$930.00	$0.00
	Distribution Demand	$1.01	$1.01	$0.00
	Transmission Demand	$11.63	$11.63	$0.00
	Distribution Energy - Peak	$0.01443	$0.01443	$0.00000
	Distribution Energy - Low A	$0.01328	$0.01328	$0.00000
	Distribution Energy - Low B	$0.00919	$0.00919	$0.00000
	Revenue Decoupling	$0.00067	$0.00067	$0.00000
	Solar Massachusetts Renewable Target	$0.00086	$0.00086	$0.00000
	Residential Assistance Adjustment Factor	$0.00144	$0.00144	$0.00000
	Pension Adjustment Factor	$0.00041	$0.00041	$0.00000
	Net Metering Recovery Surcharge	$0.00191	$0.00191	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00081	$0.00081	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00002)	($0.00002)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00025	$0.00025	$0.00000
	Vegetation Management	$0.00055	$0.00055	$0.00000
	Tax Act Credit Factor	($0.00041)	($0.00041)	$0.00000
	Grid Modernization	$0.00041	$0.00041	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.00000	$0.00000	$0.00000
	Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.23997	$0.23997	$0.00000

	Peak Use:	27%
	Low A Use:	25%
	Low B Use:	48%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-4 General Power

		Monthly	Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kW	kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
	Hours Use: 150										
		20	3,000	$338.87	$507.30	$846.17	$345.65	$507.30	$852.95	$6.78	0.8%
		30	4,500	$505.31	$760.95	$1,266.26	$515.48	$760.95	$1,276.43	$10.17	0.8%
		40	6,000	$671.74	$1,014.60	$1,686.34	$685.30	$1,014.60	$1,699.90	$13.56	0.8%
		70	10,500	$1,171.05	$1,775.55	$2,946.60	$1,194.78	$1,775.55	$2,970.33	$23.73	0.8%
		100	15,000	$1,670.35	$2,536.50	$4,206.85	$1,704.25	$2,536.50	$4,240.75	$33.90	0.8%
Avg		52	7,800	$871.46	$1,318.98	$2,190.44	$889.09	$1,318.98	$2,208.07	$17.63	0.8%
	Hours Use: 250										
		20	5,000	$481.85	$845.50	$1,327.35	$493.15	$845.50	$1,338.65	$11.30	0.9%
		30	7,500	$719.78	$1,268.25	$1,988.03	$736.73	$1,268.25	$2,004.98	$16.95	0.9%
		40	10,000	$957.70	$1,691.00	$2,648.70	$980.30	$1,691.00	$2,671.30	$22.60	0.9%
		70	17,500	$1,671.48	$2,959.25	$4,630.73	$1,711.03	$2,959.25	$4,670.28	$39.55	0.9%
		100	25,000	$2,385.25	$4,227.50	$6,612.75	$2,441.75	$4,227.50	$6,669.25	$56.50	0.9%
Avg		27	6,750	$648.40	$1,141.43	$1,789.83	$663.65	$1,141.43	$1,805.08	$15.25	0.9%
	Hours Use: 350										
		20	7,000	$624.83	$1,183.70	$1,808.53	$640.65	$1,183.70	$1,824.35	$15.82	0.9%
		30	10,500	$934.25	$1,775.55	$2,709.80	$957.98	$1,775.55	$2,733.53	$23.73	0.9%
		40	14,000	$1,243.66	$2,367.40	$3,611.06	$1,275.30	$2,367.40	$3,642.70	$31.64	0.9%
		70	24,500	$2,171.91	$4,142.95	$6,314.86	$2,227.28	$4,142.95	$6,370.23	$55.37	0.9%
		100	35,000	$3,100.15	$5,918.50	$9,018.65	$3,179.25	$5,918.50	$9,097.75	$79.10	0.9%
Avg		27	9,450	$841.42	$1,598.00	$2,439.42	$862.78	$1,598.00	$2,460.78	$21.36	0.9%

	2024 Planned Rates	2024 MTM Rates	Change
Customer Charge	$6.00	$6.00	$0.00
Distribution Demand	$1.99	$1.99	$0.00
Transmission Demand	$3.93	$3.93	$0.00
Distribution Energy	$0.02282	$0.02282	$0.00000
Revenue Decoupling	$0.00151	$0.00151	$0.00000
Solar Massachusetts Renewable Target	$0.00193	$0.00193	$0.00000
Residential Assistance Adjustment Factor	$0.00323	$0.00323	$0.00000
Pension Adjustment Factor	$0.00094	$0.00094	$0.00000
Net Metering Recovery Surcharge	$0.00427	$0.00427	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00179	$0.00179	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00006)	($0.00006)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00057	$0.00057	$0.00000
Vegetation Management	$0.00126	$0.00126	$0.00000
Tax Act Credit Factor	($0.00092)	($0.00092)	$0.00000
Grid Modernization	$0.00095	$0.00095	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Transmission Energy	$0.00489	$0.00489	$0.00000
Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-5 Commercial Space Heating

		Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
		100	$19.25	$16.91	$36.16	$19.47	$16.91	$36.38	$0.22	0.6%
		200	$32.49	$33.82	$66.31	$32.95	$33.82	$66.77	$0.46	0.7%
		300	$45.74	$50.73	$96.47	$46.42	$50.73	$97.15	$0.68	0.7%
		500	$72.24	$84.55	$156.79	$73.37	$84.55	$157.92	$1.13	0.7%
		750	$105.35	$126.83	$232.18	$107.05	$126.83	$233.88	$1.70	0.7%
		1,000	$138.47	$169.10	$307.57	$140.73	$169.10	$309.83	$2.26	0.7%
		1,500	$204.71	$253.65	$458.36	$208.10	$253.65	$461.75	$3.39	0.7%
		3,000	$403.41	$507.30	$910.71	$410.19	$507.30	$917.49	$6.78	0.7%
		5,000	$668.35	$845.50	$1,513.85	$679.65	$845.50	$1,525.15	$11.30	0.7%
	Avg	1,472	$201.00	$248.92	$449.92	$204.32	$248.92	$453.24	$3.32	0.7%

		2024 Planned Rates	2024 MTM Rates	Change
	Customer Charge	$6.00	$6.00	$0.00
	Distribution Energy	$0.04120	$0.04120	$0.00000
	Revenue Decoupling	$0.00231	$0.00231	$0.00000
	Solar Massachusetts Renewable Target	$0.00295	$0.00295	$0.00000
	Residential Assistance Adjustment Factor	$0.00495	$0.00495	$0.00000
	Pension Adjustment Factor	$0.00206	$0.00206	$0.00000
	Net Metering Recovery Surcharge	$0.00654	$0.00654	$0.00000
	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
	AG Consulting Expense	$0.00000	$0.00000	$0.00000
	Storm Cost Recovery Adjustment Factor	$0.00277	$0.00277	$0.00000
	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
	Basic Service Cost True Up Factor	($0.00009)	($0.00009)	$0.00000
	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
	Solar Expansion Cost Recovery Factor	$0.00087	$0.00087	$0.00000
	Vegetation Management	$0.00274	$0.00274	$0.00000
	Tax Act Credit Factor	($0.00141)	($0.00141)	$0.00000
	Grid Modernization	$0.00164	$0.00164	$0.00000
	Transition	($0.00177)	($0.00177)	$0.00000
	Transmission Energy	$0.03763	$0.03763	$0.00000
	Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
	System Benefits Charge	$0.00250	$0.00250	$0.00000
	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
	Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-6 All Electric Schools

		Monthly	2024 Planned			2024 MTM			Total Bill Impact	
		kWh	Delivery	Supplier	Total	Delivery	Supplier	Total	Change	% Change
3		25,000	$2,267.00	$4,227.50	$6,494.50	$2,323.50	$4,227.50	$6,551.00	$56.50	0.9%
4		40,000	$3,609.20	$6,764.00	$10,373.20	$3,699.60	$6,764.00	$10,463.60	$90.40	0.9%
5		50,000	$4,504.00	$8,455.00	$12,959.00	$4,617.00	$8,455.00	$13,072.00	$113.00	0.9%
6		60,000	$5,398.80	$10,146.00	$15,544.80	$5,534.40	$10,146.00	$15,680.40	$135.60	0.9%
7		150,000	$13,452.00	$25,365.00	$38,817.00	$13,791.00	$25,365.00	$39,156.00	$339.00	0.9%
8	Avg	60,748	$5,465.73	$10,272.49	$15,738.22	$5,603.02	$10,272.49	$15,875.51	$137.29	0.9%

		2024 Planned Rates	2024 MTM Rates	Change
11	Customer Charge	$30.00	$30.00	$0.00
12	Distribution Energy	$0.01867	$0.01867	$0.00000
13	Revenue Decoupling	$0.00076	$0.00076	$0.00000
14	Solar Massachusetts Renewable Target	$0.00097	$0.00097	$0.00000
15	Residential Assistance Adjustment Factor	$0.00163	$0.00163	$0.00000
16	Pension Adjustment Factor	$0.00075	$0.00075	$0.00000
17	Net Metering Recovery Surcharge	$0.00216	$0.00216	$0.00000
18	Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
19	AG Consulting Expense	$0.00000	$0.00000	$0.00000
20	Storm Cost Recovery Adjustment Factor	$0.00090	$0.00090	$0.00000
21	Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
22	Basic Service Cost True Up Factor	($0.00003)	($0.00003)	$0.00000
23	Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
24	Solar Expansion Cost Recovery Factor	$0.00028	$0.00028	$0.00000
25	Vegetation Management	$0.00100	$0.00100	$0.00000
26	Tax Act Credit Factor	($0.00046)	($0.00046)	$0.00000
27	Grid Modernization	$0.00047	$0.00047	$0.00000
28	Transition	($0.00177)	($0.00177)	$0.00000
29	Transmission Energy	$0.03407	$0.03407	$0.00000
30	Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
31	System Benefits Charge	$0.00250	$0.00250	$0.00000
32	Renewable Energy Charge	$0.00050	$0.00050	$0.00000
33	Supply Charge	$0.16910	$0.16910	$0.00000

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-7 Optional General Time-of-Use

		Monthly kVA	Monthly kWh	2024 Planned Delivery	2024 Planned Supplier	2024 Planned Total	2024 MTM Delivery	2024 MTM Supplier	2024 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
		Hours Use: 350									
		5	1,750	$211.49	$295.93	$507.42	$215.44	$295.93	$511.37	$3.95	0.8%
		10	3,500	$412.98	$591.85	$1,004.83	$420.89	$591.85	$1,012.74	$7.91	0.8%
		20	7,000	$815.96	$1,183.70	$1,999.66	$831.78	$1,183.70	$2,015.48	$15.82	0.8%
		50	17,500	$2,024.90	$2,959.25	$4,984.15	$2,064.45	$2,959.25	$5,023.70	$39.55	0.8%
		75	26,250	$3,032.34	$4,438.88	$7,471.22	$3,091.67	$4,438.88	$7,530.55	$59.33	0.8%
	Avg	20	7,000	$815.96	$1,183.70	$1,999.66	$831.78	$1,183.70	$2,015.48	$15.82	0.8%
		Hours Use: 500									
		5	2,500	$261.44	$422.75	$684.19	$267.09	$422.75	$689.84	$5.65	0.8%
		10	5,000	$512.87	$845.50	$1,358.37	$524.17	$845.50	$1,369.67	$11.30	0.8%
		20	10,000	$1,015.74	$1,691.00	$2,706.74	$1,038.34	$1,691.00	$2,729.34	$22.60	0.8%
		50	25,000	$2,524.35	$4,227.50	$6,751.85	$2,580.85	$4,227.50	$6,808.35	$56.50	0.8%
		75	37,500	$3,781.53	$6,341.25	$10,122.78	$3,866.28	$6,341.25	$10,207.53	$84.75	0.8%
	Avg	31	15,500	$1,568.90	$2,621.05	$4,189.95	$1,603.93	$2,621.05	$4,224.98	$35.03	0.8%
		Hours Use: 650									
		5	3,250	$311.38	$549.58	$860.96	$318.73	$549.58	$868.31	$7.35	0.9%
		10	6,500	$612.76	$1,099.15	$1,711.91	$627.45	$1,099.15	$1,726.60	$14.69	0.9%
		20	13,000	$1,215.52	$2,198.30	$3,413.82	$1,244.90	$2,198.30	$3,443.20	$29.38	0.9%
		50	32,500	$3,023.81	$5,495.75	$8,519.56	$3,097.26	$5,495.75	$8,593.01	$73.45	0.9%
		75	48,750	$4,530.71	$8,243.63	$12,774.34	$4,640.88	$8,243.63	$12,884.51	$110.17	0.9%
	Avg	18	11,700	$1,094.97	$1,978.47	$3,073.44	$1,121.41	$1,978.47	$3,099.88	$26.44	0.9%

	2024 Planned Rates	2024 MTM Rates	Change
Customer Charge	$10.00	$10.00	$0.00
Distribution Demand	$3.81	$3.81	$0.00
Transmission Demand	$13.18	$13.18	$0.00
Distribution Energy - Peak	$0.02621	$0.02621	$0.00000
Distribution Energy - Low Load	$0.01836	$0.01836	$0.00000
Revenue Decoupling	$0.00179	$0.00179	$0.00000
Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
Vegetation Management	$0.00129	$0.00129	$0.00000
Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
Grid Modernization	$0.00115	$0.00115	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Peak Use:	24%
Low A Use:	76%

Cape Light Compact JPE
Calculation of Monthly Typical Bill
Illustrative

South Shore, Cape Cod, and Martha's Vineyard Service Area
Rate G-7 Optional Seasonal General Time-of-Use

		Monthly kVA	Monthly kWh	2024 Planned Delivery	2024 Planned Supplier	2024 Planned Total	2024 MTM Delivery	2024 MTM Supplier	2024 MTM Total	Total Bill Impact Change	Total Bill Impact % Change
		Hours Use: 50									
		5	250	$78.80	$42.28	$121.08	$79.37	$42.28	$121.65	$0.57	0.5%
		10	500	$147.61	$84.55	$232.16	$148.74	$84.55	$233.29	$1.13	0.5%
		20	1,000	$285.22	$169.10	$454.32	$287.48	$169.10	$456.58	$2.26	0.5%
		50	2,500	$698.05	$422.75	$1,120.80	$703.70	$422.75	$1,126.45	$5.65	0.5%
		75	3,750	$1,042.07	$634.13	$1,676.20	$1,050.55	$634.13	$1,684.68	$8.48	0.5%
	Avg	9	450	$133.85	$76.10	$209.95	$134.87	$76.10	$210.97	$1.02	0.5%
		Hours Use: 150									
		5	750	$124.41	$126.83	$251.24	$126.11	$126.83	$252.94	$1.70	0.7%
		10	1,500	$238.83	$253.65	$492.48	$242.22	$253.65	$495.87	$3.39	0.7%
		20	3,000	$467.66	$507.30	$974.96	$474.44	$507.30	$981.74	$6.78	0.7%
		50	7,500	$1,154.15	$1,268.25	$2,422.40	$1,171.10	$1,268.25	$2,439.35	$16.95	0.7%
		75	11,250	$1,726.22	$1,902.38	$3,628.60	$1,751.65	$1,902.38	$3,654.03	$25.43	0.7%
	Avg	10	1,500	$238.83	$253.65	$492.48	$242.22	$253.65	$495.87	$3.39	0.7%
		Hours Use: 300									
		5	1,500	$192.83	$253.65	$446.48	$196.22	$253.65	$449.87	$3.39	0.8%
		10	3,000	$375.66	$507.30	$882.96	$382.44	$507.30	$889.74	$6.78	0.8%
		20	6,000	$741.32	$1,014.60	$1,755.92	$754.88	$1,014.60	$1,769.48	$13.56	0.8%
		50	15,000	$1,838.30	$2,536.50	$4,374.80	$1,872.20	$2,536.50	$4,408.70	$33.90	0.8%
		75	22,500	$2,752.45	$3,804.75	$6,557.20	$2,803.30	$3,804.75	$6,608.05	$50.85	0.8%
	Avg	13	3,900	$485.36	$659.49	$1,144.85	$494.17	$659.49	$1,153.66	$8.81	0.8%

	2024 Planned Rates	2024 MTM Rates	Change
Customer Charge	$10.00	$10.00	$0.00
Distribution Demand	$3.86	$3.86	$0.00
Transmission Demand	$5.34	$5.34	$0.00
Distribution Energy - Peak	$0.05113	$0.05113	$0.00000
Distribution Energy - Low Load	$0.04300	$0.04300	$0.00000
Revenue Decoupling	$0.00179	$0.00179	$0.00000
Solar Massachusetts Renewable Target	$0.00228	$0.00228	$0.00000
Residential Assistance Adjustment Factor	$0.00383	$0.00383	$0.00000
Pension Adjustment Factor	$0.00097	$0.00097	$0.00000
Net Metering Recovery Surcharge	$0.00507	$0.00507	$0.00000
Long Term Renewable Contract Adjustment	($0.00045)	($0.00045)	$0.00000
AG Consulting Expense	$0.00000	$0.00000	$0.00000
Storm Cost Recovery Adjustment Factor	$0.00215	$0.00215	$0.00000
Storm Reserve Adjustment	$0.00000	$0.00000	$0.00000
Basic Service Cost True Up Factor	($0.00007)	($0.00007)	$0.00000
Solar Program Cost Adjustment Factor	$0.00000	$0.00000	$0.00000
Solar Expansion Cost Recovery Factor	$0.00067	$0.00067	$0.00000
Vegetation Management	$0.00129	$0.00129	$0.00000
Tax Act Credit Factor	($0.00109)	($0.00109)	$0.00000
Grid Modernization	$0.00115	$0.00115	$0.00000
Transition	($0.00177)	($0.00177)	$0.00000
Energy Efficiency Reconciliation Factor	$0.02753	$0.02979	$0.00226
System Benefits Charge	$0.00250	$0.00250	$0.00000
Renewable Energy Charge	$0.00050	$0.00050	$0.00000
Supply Charge	$0.16910	$0.16910	$0.00000

Peak Use:	23%
Low A Use:	77%

Mid-Term Modification Request for the Cape Light Compact JPE

The Cape Light Compact JPE ("Compact") is committed to securing energy savings consistent with its portfolio level savings goals for the period of 2022-2024, as endorsed by the Energy Efficiency Advisory Council ("Council") and approved by the Department of Public Utilities ("Department") in D.P.U. 21-126 and D.P.U. 22-137. The Compact has experienced greater than anticipated demand for services that it projects will lead to expenditures exceeding 100 percent of the Department approved term budgets for three programs. In addition, the Compact has experienced lower than anticipated demand for services in the commercial and industrial ("C&I") sector that it projects will result in the Compact expending 24% less than the Department approved term budget.

The currently effective Energy Efficiency Guidelines were promulgated in D.P.U. 20-150-A on May 3, 2021 ("Guidelines"). Additional and supplanting directives on mid-term modifications ("MTM") were provided in D.P.U. 21-126, as issued on January 31, 2022, in which the Department ordered that, "a Program Administrator may not exceed its planned program budget without approval by the Department." *See* Three-Year Plans Order, D.P.U. 21-120 through D.P.U. 21-129 ("Three-Year Plans Order") at 224 (2022). Further, the Department ordered that "[i]f a Program Administrator projects it will exceed a program-level budget, the Program Administrator shall simultaneously submit any proposed budget change (1) for review by the Council and (2) for review and approval by the Department." *Id*. at 225, n.139. The Guidelines at Section 3.8.2 also state that a Program Administrator that seeks to decrease its three-year term sector budget by greater than 10 percent "shall submit its proposed modifications at the same time for (a) review by the Council, and (b) review and approval by the Department…". Accordingly, the Compact has submitted this proposal simultaneously to the Council and the Department.

I. Residential Sector: Residential Hard-to-Measure Program

A. Background and Request

The Residential sector includes core initiatives that fall under the category of Residential Hard-to-Measure in the data tables. These Residential Hard-to-Measure core initiatives that support the Compact's implementation of its 2022-2024 Energy Efficiency Plan ("Plan") are: Statewide Marketing; Statewide Database; DOER Assessment; Sponsorships and Subscriptions; Workforce Development; Evaluation and Market Research; EEAC Consultants; R&D Demonstration; HEAT Loan; and Education. For purposes of this MTM request, the Compact is referring to this group of core initiatives as the "Residential Hard-to-Measure Program." These core initiatives contribute to or facilitate the program administrators' ("Program Administrator" or "PA") achievement of their goals. *See* D.P.U. 21-120 through D.P.U. 21-129, Exhibit 1 at 187-88.

The Compact's Residential Hard-to-Measure Program has experienced greater than anticipated customer participation in the Mass Save® HEAT Loan ("HEAT Loan"). The HEAT Loan offers

interest-free financing opportunities up to $25,000, with terms up to seven years, depending on the loan provider. The "incentive" associated with the HEAT Loan is the Program Administrator's buy-down of the interest on the loan. HEAT Loan financing is available for energy-efficient home upgrades like the installation of air source heat pumps (central or ductless mini-split), ground source heat pumps, heat pump water heaters, insulation and more. During the Plan term, the Program Administrators are offering an electrification HEAT Loan of up to an additional $25,000 (for a total of $50,000), including up to $5,000 for electrification barriers such as electrical panel upgrades, for customers who install heat pumps in their home. The electric Program Administrator administers the HEAT Loan for both electric and natural gas heated customers.

In general, customers are financing higher amounts through the HEAT Loan than in previous years, and higher amounts than the Compact expected when planning the HEAT Loan budget for the Plan term. Further, the current prime interest rate has significantly increased from the time of the Plan filing, adding to larger expenditures for this offering than originally planned. As a result, in 2022, the Compact saw an increase of about $550,000 in HEAT Loan costs over planned. The Compact projects that increased spending on the HEAT Loan will continue throughout the Plan term.

Therefore, the Compact seeks approval for an increase of approximately $1.5 million dollars over the three-year term, which would bring the total Residential Hard-to-Measure Program budget to $14,939,586 (an 11% increase).

B. Electric Savings and/or Customer Benefit

The increased expenditure on the HEAT Loan will not lead to additional electric savings. By definition, a Hard-to-Measure Energy Efficiency Program "refers to programs that have costs but do not have direct energy savings or whose energy savings may be difficult to quantify." Guidelines, §2. However, the funding increase will support the increased customer demand for use of the HEAT Loan to finance the installation of energy efficiency measures, which themselves may result in kWh savings and/or greenhouse gas ("GHG") emissions reductions. The HEAT Loan also enables customers to implement energy efficiency measures that would otherwise be cost-prohibitive (when looking at the upfront costs of a particular measure or group of measures).

II. Income-Eligible Sector: Income Eligible Hard-to-Measure Program

A. Background and Request

The Income-Eligible sector includes core initiatives that fall under the category of Income-Eligible Hard-to-Measure in the data tables. These Income-Eligible Hard-to-Measure core initiatives that support the Compact's implementation of its Plan are: Statewide Marketing; Statewide Database; DOER Assessment; Sponsorships and Subscriptions; Workforce

Development; Evaluation and Market Research; and Low-Income Energy Affordability Network ("LEAN"). These core initiatives contribute to or facilitate the PAs' achievement of their goals. *See* D.P.U. 21-120 through D.P.U. 21-129, Exhibit 1 at 187-88.

The Compact is seeing an increased demand for additional evaluation, measurement and verification ("EM&V") activities in its Income Eligible Hard-to-Measure Program. Since the Compact's Plan filing, additional EM&V studies were required of the PAs, resulting from the Department's Three-Year Plans Order and additional studies were requested by the Department of Energy Resources. This has increased the Compact's share of EM&V costs.

Therefore, the Compact seeks approval for an increase of approximately $85,000 over the three-year term, which would bring the total Income Eligible Hard-to-Measure Program budget to $1,082,869 (an 8% increase).

B. Electric Savings and/or Customer Benefit

As described above, hard-to-measure programs by definition are non-energy saving programs. However, the increased funding will support EM&V, which is essential to the energy efficiency program lifecycle, from conducting market research in support of new program designs, to developing program theory, to assessing demonstration projects for new offers, and ultimately evaluating verified savings and benefits from mature programs. See D.P.U. 21-126, Exhibit 1, Appendix H at 4. EM&V is also directly tied to satisfying the key priorities of the Plan. *Id*.

III. Income-Eligible Sector: Income Eligible Existing Buildings Program

A. Background and Request

The Income Eligible Existing Buildings Program provides cost-effective, energy efficiency products and services to income eligible residential customers. The Plan defines income eligible as at or below 60% of the state median income level for 1-4 unit buildings and having at least 50% of units be at or below 60% of the area median income level for 5+ unit buildings. Customers that qualify for the utility discount rate are also considered income eligible. The Income Eligible Coordinated Delivery Initiative within the Income Eligible Existing Buildings Program is administered in coordination with LEAN.

The Compact is experiencing greater than expected costs for heat pump installation in the Income Eligible Existing Buildings Program. Based on experience in 2022 and during the first half of 2023, on average, the Compact is seeing installed heat pump costs more than double what was planned for in income eligible single-family homes on Cape Cod and Martha's Vineyard. Because heat pumps made up more than half of the Compact's planned spending for the Income Eligible Existing Buildings Program, the increase in per-unit costs has a significant impact on the total budget. Other drivers of this budget request include improved weatherization results due to

the combination of increased R-value guidelines and by addressing more weatherization barriers such as vermiculite and mold, both of which are new to the Plan term.

Therefore, the Compact seeks approval for a three-year term budget increase of approximately $18 million for its Income Eligible Existing Buildings Program, which would bring the total Income Eligible Existing Buildings Program budget to $37,644,662 (a 93% increase).

B. Electric Savings and/or Customer Benefit

The increased spending is not expected to result in an increase in electric savings for the Income Eligible Existing Buildings Program. Currently, the Compact projects that its lifetime kilowatt-hour ("kWh") savings for the program will decrease by about 30% compared to the Plan numbers, due in large part to greater demand from customers with oil and propane heat to convert to heat pumps, which yields negative electric savings. These fossil fuel conversions provide increased benefits and GHG emissions reductions, but not increased electric savings. However, while not increasing electric savings, the Compact's continued implementation of the Income Eligible Existing Buildings Program will help move customers towards building decarbonization, an important goal of the Commonwealth. The increased spending will also achieve additional GHG emissions reductions and help support achievement of the goals the Program Administrators are required to meet pursuant to 2021 climate legislation, St. 2021, c. 8, §106. The additional budget will more than double the Compact's planned GHG emissions reductions for the income eligible sector (the 2030 avoided CO2e metric tons), from ~1,300 metric tons to a total of ~2,800 metric tons.

Historically, the Compact has had trouble spending its statutorily required spending levels for income eligible customers. This budget increase will help support the Compact's achievement of the statutory mandate and allow the Compact to revisit income eligible customers with remediation of pre-weatherization barriers, enhanced weatherization, and electrification.

IV. C&I Sector: Existing Buildings Program

A. Background and Request

The Program Administrators serve a wide array of C&I customer types, including microbusiness, small business, medium business and large business. These customer types also span diverse industries, including business services, education, health care, hospitality, manufacturing, offices, public services, retail and wholesale. Planning and budgeting for serving the C&I sector presents unique challenges, especially in a service territory like the Compact's. These challenges include: (1) the lack of availability of a skilled workforce, specifically, electricians and HVAC contractors, which has led to a back log in installation approved jobs; (2) a significantly higher cost of "doing business" on Cape Cod and Martha's Vineyard, which leads to customer economic constraints; and (3) the seasonality of many of the Compact's small businesses, which results in

shorter windows of time to engage customers. The C&I sector is volatile given that the loss of one or more planned large projects can have a significant effect on the C&I sector level budget.

During 2022, the Compact continued to experience material and labor shortages, as well as rising prices for materials and equipment resulting from the COVID-19 pandemic. This delayed program implementation and projects took longer than expected to move forward or did not move forward at all as they were too costly and the economics were unreasonable for the customer to proceed (even when coupled with the energy efficiency incentives offered by the Compact). The Compact has seen an improvement in material and equipment availability during 2023; however, labor shortages remain and have prohibited many projects across the C&I sector from being installed in a timely manner. In addition, the weatherization offering, initially planned for earlier in 2022, did not commence until the Fall of 2022 and training of vendors was necessary before ramping up these efforts. The Compact is committed to undertaking all reasonable efforts to try and increase C&I sector spending for the remainder of the Plan term. Unfortunately, however, the Compact projects that even with these efforts, the Compact will not be able to make up for the 2022 spending deficit it encountered (due to the labor and material shortages and related project delays) over the remainder of the Plan term.

Therefore, the Compact seeks approval for a three-year term budget decrease of approximately $13.6 million for its C&I sector, which would bring the total C&I sector budget to $43,322,721 (a 24% decrease).

B. Electric Savings and/or Customer Benefit

Despite this decrease in sector level spending for the Plan term, the Compact projects that it will have only slightly less electric kWh savings than originally planned.

V. Summary

The Compact seeks approval to exceed previously approved program budgets as described above for three electric programs:

1. Residential Hard-to-Measure
2. Income Eligible Hard-to-Measure
3. Income Eligible Existing Buildings

The Compact further seeks approval to reduce its C&I sector budget as described above.

The Compact will continue to monitor all initiatives, programs and sectors closely, as well as market factors related to program delivery with a commitment to continuing to serve its customers in all sectors. Should the need arise, the Compact will notify and work with the Council and the Department to request additional adjustments through the MTM process to

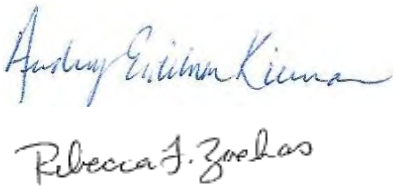
ensure that all efforts are made to continue program offerings in a cost-effective manner that serves common interests.

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES

Petition of the Cape Light Compact JPE for Approval by the Department of Public Utilities of its Proposed Mid-Term Modifications for the 2022-2024 Three Year Energy Efficiency Plan	)))))	D.P.U. 23-58

NOTICE OF APPEARANCE OF COUNSEL

The undersigned attorneys hereby give notice of their appearance as counsel on behalf of the Cape Light Compact JPE in the above-captioned proceeding.



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Dated: September 14, 2023

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES

Petition of the Cape Light Compact JPE for Approval by the Department of Public Utilities of its Proposed Mid-Term Modifications for the 2022-2024 Three Year Energy Efficiency Plan	)))))	D.P.U. 23-58

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing documents upon all parties of record in this proceeding in accordance with the requirements of 220 CMR 1.05(1) (Department's Rules of Practice and Procedure).

Dated this 14th day of September, 2023.

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