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October 30, 2015

BY HAND DELIVERY AND E-FILING

Mark D. Marini, Secretary
Commonwealth of Massachusetts
Department of Public Utilities
One South Station
Boston, MA 02110

Re: Cape Light Compact, D.P.U. 15-166, 2016-2018 Three-Year Energy Efficiency
Plan

Dear Secretary Marini:

Pursuant to G.L. c. 164, §134(b) and G.L. c. 25, §§19 and 21, an Act Relative to Green Communities, Chapter 169 of the Acts of 2008 ("Green Communities Act"), as amended by an Act Relative to Competitively Priced Electricity in the Commonwealth, St. 2012, c. 209 ("Energy Act of 2012"), the Cape Light Compact (the "Compact") respectfully submits this filing, requesting approval from the Department of Public Utilities (the "Department") of its proposed energy efficiency investment plan, budget and allocation of program operating costs for its energy efficiency programs during the period January 1, 2016 through December 31, 2018 ("Three-Year Plan"). The Compact proposes to adopt, as the core of its Three-Year Plan, the 2016-2018 Massachusetts Joint Statewide Three-Year Electric and Gas Energy Efficiency Plan, which the Massachusetts Program Administrators developed in collaboration with the Massachusetts Energy Efficiency Advisory Council (the "Council"), the Council's consultants (the "Consultants"), and other interested stakeholders. In support of this request, please find the following:

- A. Pre-Hearing Statement;
- B. Petition for Approval of Energy Efficiency Investment Plan during the Period January 1, 2016 through December 31, 2018, which is supported by the following exhibits:

<u>Exhibit Compact-1</u>	2016-2018 Massachusetts Joint Statewide Three-Year Electric and Gas Energy Efficiency Plan
<u>Exhibit Compact-2</u>	Pre-Filed Testimony of Margaret T. Downey and Doug Hurley
<u>Exhibit Compact-3</u>	Guide to the Filing Requirements of the Green Communities Act and the Department in the 2016-2018 Massachusetts Joint Statewide Three-Year Electric and Gas Energy Efficiency Plan
<u>Exhibit Compact-4</u>	Compact-specific Energy Efficiency Data Tables
<u>Exhibit Compact-5</u>	BCR Screening Model (on CD-Rom)
<u>Exhibit Compact-6</u>	Bill Impact Analysis
<u>Exhibit Compact-7</u>	Affidavits of Margaret T. Downey, Margaret Song, Meredith Miller, Erin Malone and Doug Hurley
<u>Exhibit Compact-8</u>	Statewide Comparison Tables [to be submitted approximately 2 weeks after filing]
<u>Exhibit Compact-9</u>	Analysis of Variances in Statewide Comparison Tables [to be submitted approximately 2 weeks after filing]
<u>Exhibit Compact-10</u>	Compact Specific Program Descriptions
<u>Exhibit Compact-11</u>	Compact Demand Response Demonstration Offering

C. Appearances of Counsel.

Throughout the collaborative process envisioned by the Green Communities Act, the Compact worked diligently with the Council, the Consultants, interested stakeholders, and the other Massachusetts Program Administrators. In September 2015, the Program Administrators, the Department of Energy Resources (“DOER”), the Executive Office of Energy and Environmental Affairs, and the Attorney General’s Office reached an agreement on 2016-2018 goals and budgets reflected in the Three-Year Plan. On October 26, 2015, the Council passed a resolution supporting the Three-Year Plan. The Compact appreciates the intense efforts devoted to this process. These collective efforts contributed to the development of an integrated gas and electric statewide plan that is certain to keep Massachusetts at the forefront of energy efficiency

Mark D. Marini, Secretary
D.P.U. 15-166
October 30, 2015
Page 3

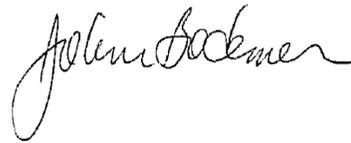
innovation, while providing approximately \$8 billion in projected economic benefits to customers as well as significant environmental benefits.

In accordance with 220 C.M.R. §7.02, the Compact respectfully submits its proposed operating budgets for the residential conservation services (“RCS”) program and a comparison between planned and actual RCS spending for the previous three-year term in the Three-Year Plan to meet the requirements of subsections (b) of section 7 of chapter 465 of the Acts of 1980.

Tables comparing the Compact’s information to the statewide totals for program budgets, benefits, savings, and outsourced services will be filed in approximately two weeks, after the Program Administrators have had an opportunity to analyze this data.

The \$100 filing fee is enclosed. Should you have any questions with respect to today’s filing, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in black ink, appearing to read "Jo Ann Bodemer". The signature is fluid and cursive, with a large initial "J" and "B".

Jo Ann Bodemer

JAB/drb
Enclosures

cc: Jeffrey Leupold, Hearing Officer (via email and hand delivery)
Clayton Hale, Hearing Officer (via email only)
Energy Efficiency Advisory Council Members (via email only)
D.P.U. 12-107 Service List (via email only)

**THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES**

CAPE LIGHT COMPACT

)
) D.P.U. 15-166

**PETITION FOR APPROVAL OF ENERGY EFFICIENCY INVESTMENT PLAN
FOR THE PERIOD JANUARY 1, 2016 THROUGH DECEMBER 31, 2018**

1. The Cape Light Compact (the “Compact”) respectfully requests approval from the Department of Public Utilities (the “Department”), pursuant to G.L. c. 164, § 134 and G.L. c. 25, §§ 19 and 21, of its proposed energy efficiency investment plan, budget and allocation of program operating costs for its energy efficiency programs for the period January 1, 2016 through December 31, 2018 (“Three-Year Plan”) (Exhibit Compact-1 through Exhibit Compact-11). The Compact proposes to adopt, as the core of its Three-Year Plan, the 2016-2018 Massachusetts Joint Statewide Three-Year Electric and Gas Energy Efficiency Plan, which the Massachusetts Program Administrators developed in collaboration with the Massachusetts Energy Efficiency Advisory Council (“Council”), its consultants (“Consultants”), and other interested stakeholders. Following months of detailed and comprehensive discussions, the Three-Year Plan was unanimously approved by all gas and electric distribution companies and municipal aggregators (together “Program Administrators” or “PAs”), and supported by the Council.

2. The Compact is a governmental aggregator pursuant to G.L. c. 164, § 134 and consists of the twenty-one towns in Barnstable and Dukes Counties, as well as the two counties themselves. It is organized through a formal Intergovernmental Agreement under G.L. c. 40, § 4A and is governed by a Board of representatives selected by from its municipal members and

two counties. The Compact's Revised Aggregation Plan was approved by the Department in D.P.U. 14-69 (2014). The Compact maintains a business office within the Barnstable County offices located at 3195 Main Street in Barnstable, Massachusetts 02630.

3. 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 and G.L. c. 25, §§ 19, 21, an Act Relative to Green Communities ("Green Communities Act").

4. Consistent with G.L. c. 25, § 21, and § 3.7.3 of the Department's *Energy Efficiency Guidelines*, D.P.U. 11-120-A, Phase II (2013) ("Guidelines"), the Compact seeks approval of its Three-Year Plan for effect during the three-year period commencing January 1, 2016 and ending December 31, 2018 ("Plan Term"). The Three-Year Plan will allow Program Administrators to satisfy the mandate of the Green Communities Act to capture all available cost-effective energy efficiency opportunities during the Plan Term and maximize environmental benefits and net economic benefits through a sustained and integrated statewide energy efficiency effort.¹ In setting aggressive energy efficiency goals, the Three-Year Plan takes into account many competing considerations, including, without limitation, cost efficiency, integrated program delivery, and bill impacts, as well as environmental and economic benefits.

5. The Compact currently operates comprehensive energy efficiency programs targeting the residential, low-income and commercial & industrial customer sectors. These programs are operated pursuant to the 2013-2015 Energy Efficiency Investment Plan approved

¹ As a municipal aggregator, the Compact maintains that approval by the Department of its Three-Year Plan does not require the same finding that its plan ensures the capture of all energy efficiency as is the case for utility program administrators. G.L. c. 25, § 21(d)(2) (omitting municipal aggregators from this express directive). Nevertheless, the Compact submits that its Three-Year Plan captures all available cost-effective energy efficiency opportunities in its service territory.

by the Department in 2013. *2013-2015 Energy Efficiency Plans*, D.P.U. 12-100 through D.P.U. 12-111 (2013) (“2013-2015 Order”). The Three-Year Plan builds on the successes of the PAs’ past two energy efficiency plans, which have resulted in Massachusetts being ranked number one in the nation for energy efficiency by the American Council for an Energy-Efficient Economy (“ACEEE”) since 2011. The Three-Year Plan proposes a comprehensive energy efficiency package to ensure that Massachusetts continues to lead the nation in energy efficiency with a continued, innovative, sustained and integrated statewide approach.

6. This filing is consistent with the Department’s requirements as established in D.P.U. 08-50, the Guidelines and the Department’s Revised Additional Filing Requirements Memorandum (October 2, 2015), including the table of contents and the tables filed herewith, which were developed, pursuant to the requirements of the Green Communities Act, through a collaborative stakeholder process. In accordance with the template, today’s filing includes Compact-specific data to supplement the statewide Three-Year Plan.

7. As detailed in the Three-Year Plan, the proposed budgets and savings goals are consistent with the enhanced energy efficiency goals of the Green Communities Act, and support the aggressive savings goals and the significant environmental and economic benefits anticipated in this Three-Year Plan. The three-year total budget proposed by the Compact is \$126,468,280, as detailed in the Three-Year Plan and the Compact-specific data tables set forth in Exhibit Compact-4 of today’s filing. Additionally, the Compact proposes savings goals that are aggressive through a sustained effort. As detailed in the Three-Year Plan and the Compact-specific data tables, the total annual three-year savings goal proposed by the Compact is 171,996 MWh, while the total lifetime three-year savings goal proposed by the Compact is 1,601,608

MWh. These savings goals do not assume any additional outside funding. The Compact also proposes to calculate bill impacts based on the Department's traditional bill impact methodology, consistent with the Guidelines, D.P.U. 08-50-D, Order on Bill Impacts (2012). See Three-Year Plan Section IV.D.

8. As detailed in the Pre-Filed Testimony of Margaret Downey, ("Downey Testimony") (Exhibit Compact-2) as well as in the Three-Year Plan (Exhibit Compact-1 through Exhibit Compact-11) the Compact has proposed programs with initiatives that are based on current market conditions, that are responsive to the policy direction established by its Governing Board, and where appropriate, consider the Council and the Green Communities Act's mandate to develop energy efficiency plans that will "provide for the acquisition of all available energy efficiency and demand reduction resources that are cost effective or less expensive than supply." G.L. c. 25, § 21(b)(1).

9. When appropriate and consistent with the Guidelines, the Compact proposes to retain the flexibility, during the Plan Term, to make modifications without Department approval. Specifically, when appropriate, the Compact may adjust spending and add or subtract program measures, and make ongoing revisions and enhancements after the adoption of the Three-Year Plan in order to reflect in-the-field conditions, technological advances, financing opportunities, and state-of-the-art new technologies. The Compact will seek Department and/or Council approval for modifications requiring such approval as set forth in the Guidelines.

10. Detailed budgets and, where applicable, cost-effectiveness analysis for the Compact's proposed programs are included in the Compact-specific tables and are described in the Downey Testimony and in the Three-Year Plan accompanying this Petition. See

Exhibit Compact-1; Exhibit Compact-2; Exhibit Compact-4; Exhibit Compact-5; Exhibit Compact-10 and Exhibit Compact-11.

11. During the Plan Term, the Compact proposes to recover its energy efficiency-related costs through its energy efficiency surcharge (“EES”). The EES is a fully reconciling funding mechanism that the Department approves for funding the Three-Year Plans. G.L. c. 25, § 21(d)(2). The Compact proposes to collect the EES through NSTAR Electric Company’s (d/b/a Eversource) Energy Efficiency Reconciliation Factor (“EERF”) tariff in accordance with established Department practice in a separate proceeding. Guidelines §§ 2(9), 3.2.1.6.

12. Consistent with the 2013-2015 Order, the Compact’s EES is effective January 1 of each year. See 2013-2015 Order at 125, n.106. Therefore, given that the Department is not expected to issue an order on the Three-Year Plan until the end of January 2016, the Compact respectfully requests that prior to January 1, 2016 the Department approve, subject to further investigation, its proposed EES rates that are consistent with the 2016 proposed budget and funding levels included in the Three-Year Plan and as further discussed in the Downey Testimony.

13. As described in the Downey Testimony, the Compact also requests an exception to the Guidelines that would permit the Compact to request Department approval of annual adjustments to its EES even if the budget and/or rate impacts do not trigger a mid-term modification consistent with the Guidelines’ directives. As recognized by the Department in the 2013-2015 Order, the Compact cannot rely on working capital to make up any revenue shortfalls. 2013-2015 Order at 125, n.106. This exception would permit funding for the Compact’s programs to be consistent with the Compact’s program spending.

14. The Compact understands the importance of the evaluation, measurement and verification (“EM&V”) of its programs, and thus proposes a framework whereby both the Department and the Council, through its Consultants, provide oversight of the Compact’s programs. The Compact proposes to continue to work collaboratively with the Council in a transparent process, as detailed in the Three-Year Plan, to ensure that the Compact may report savings to the Department with full confidence.

15. Due to the timing of the Department’s review of the three-year energy efficiency investment plans under the Green Communities Act, the Compact’s proposed energy efficiency programs will expire on December 31, 2015 approximately 30 days prior to the Department’s approval of the next three-year plan for the term 2016-2018. In order to ensure program continuity, the Compact proposes, consistent with past practice, to continue all energy efficiency programs and budgets for plan year 2015 until the Department concludes its investigation of the subsequent three-year plan. See 2013-2015 Order at 160-161.

16. The Compact administers its energy efficiency programs as both a municipal aggregator and energy efficiency program administrator, under the authority granted by G.L. c. 164, § 134(b). Pursuant to this authority, within the discretion of the Compact’s member municipalities, the Compact may administer energy efficiency programs that differ from those administered by the other utility program administrators. D.T.E. 00-47-C. The Department routinely approves the Compact-specific program enhancements, including, but not limited to, fuel-neutral administration of its residential home energy services program, enhanced incentives and zero percent financing. See e.g. D.P.U. 12-107 (2013); D.T.E. 00-47-C (2001). For the 2016-2018 Plan Term, the Compact proposes to continue all of the Department approved

program enhancements from 2013-2015. Additionally, the Compact is proposing, among other things, a demand response demonstration offering (“Demand Response Demonstration Offering”), expanded incentives for certain multi-family programs, a classroom based energy efficiency education program and incentives for electric vehicle charging stations. See Exhibit Compact-2 (Pre-Filed Testimony of Margaret Downey); Exhibit Compact-10 (Compact-specific program descriptions); and Exhibit Compact-11 (Compact Demand Response Demonstration Offering).

17. In view of the Compact’s history of successfully delivering energy efficiency services, and consistent with the collaborative energy efficiency process envisioned in the Green Communities Act, the Compact would be pleased to participate in settlement discussions or technical sessions at any time found to be convenient by the Department and other interested parties.

WHEREFORE, the Petitioner hereby respectfully requests that the Department:

- a) Promptly issue its order of notice and publication with respect to the Compact’s Petition and the applicable public hearing on such date or dates as may be necessary or appropriate;
- b) Approve the Compact’s proposed energy efficiency investment plan, including the Compact-specific programs and the Demand Response Demonstration Offering, budget and allocation of program operating costs for its energy efficiency programs for the period January 1, 2016 through December 31, 2018;
- c) Approve the Compact’s recovery of the costs of such energy efficiency programs through its currently reviewed and approved Energy Efficiency Surcharge, as well as an exception to the Guidelines to permit the Compact to seek approval for annual adjustments to its Energy Efficiency Surcharge; and

- d) Provide such other and further relief as may be necessary or appropriate.

Respectfully submitted by,

THE CAPE LIGHT COMPACT
By its attorneys,



Jeffrey M. Bernstein, Esq.
Jo Ann Bodemer, Esq.
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Dated: October 30, 2015

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES

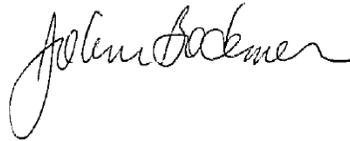
CAPE LIGHT COMPACT

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) D.P.U. 15-166

CERTIFICATE OF SERVICE

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

Dated at Waltham, Massachusetts this 30th day of October, 2015.



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**THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES**

CAPE LIGHT COMPACT

)
) D.P.U. 15-166

**PRE-FILED TESTIMONY OF
DOUG HURLEY
ON BEHALF OF
THE CAPE LIGHT COMPACT**

1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Doug Hurley. My business address is 485 Massachusetts Avenue, Suite 2,
4 Cambridge, MA 02139.

5 **Q. By whom are you employed?**

6 A. I am employed by Synapse Energy Economics (“Synapse”).

7 **Q. Please state your current position and provide a brief job description.**

8 A. I am a Principal Associate responsible for assisting Synapse clients in their participation
9 in the wholesale capacity markets. As a consultant to the Compact, I have assisted the
10 Compact in its participation in the forward capacity market. My resume is attached as
11 Exhibit 2 to the Attorney Pre-Hearing Statement (October 30, 2015) filed in this
12 proceeding.

13 **Q. Briefly describe the purpose of your testimony in this proceeding.**

14 A. I am offering this testimony to provide information in support of the Cape Light
15 Compact’s (the “Compact”) 2016-2018 Three-Year Energy Plan (“Three-Year Plan”).
16 Specifically, I am offering testimony in responses to questions 18-20 issued by the
17 Department in its Revised Additional Filing Requirements Memorandum (October 2,
18 2015).

19 **II. RESPONSES TO THE HEARING OFFICER MEMORANDUM**

20 **Q. Please describe the process by which the Compact develops bids for the forward**
21 **capacity market (“FCM”) administered by ISO New England, Inc. (“ISO-NE”),**

22 **including a discussion of the different timelines of the FCM process relative to the**
23 **planning process for the plans.**

24 A. With the FCM now in the midst of qualification for the 10th auction (FCA-10), the ISO-
25 NE has a regular schedule of events to qualify, participate, and then deliver upon capacity
26 supply obligations. I will use the process for the most recent auction as an example, but
27 this process occurs annually:

28 - March 2014: Show of Interest, including project description and amount of savings;

29 - May 2014: Existing Capacity Qualification, identifying those projects that have cleared
30 in prior auctions and the amount of savings from those measures that will no longer
31 produce savings for the associated commitment period (end of measure life);

32 - June 2014: New Capacity Qualification, identifying the types and amount of savings
33 from measures that will be installed by the start of the commitment period that were not
34 cleared in prior auctions;

35 - February 2015: Forward Capacity Auction 9 (FCA-9), which was the commitment of
36 capacity supply obligation; and

37 - June 2018: Start of the associated commitment period, which lasts through the end of
38 May 2019.

39 The Compact began the planning process for this commitment period in the final
40 months of 2013, a few months before the Show of Interest deadline. At that time, the
41 Compact assessed (a) the amount of savings currently being delivered, (b) those measures
42 already installed that would expire and no longer produce savings as of June 2018, (c) the
43 current projections for the total amount of savings that could be delivered by June 2018,

44 and (d) the amount capacity supply obligations already taken up through the most recent
45 auction, in this case FCA-8.

46 The amount of savings submitted at the Show of Interest deadline is then a
47 combination of the above items. The amount of savings submitted at the Show of Interest
48 deadline is the incremental amount not already committed in the prior auction, based
49 upon updated projections. These future savings projections are updated with the
50 submittal of the New Capacity Qualification package in June, and again for participation
51 in the FCA, in February. At each step, caution is taken to balance the ability to maximize
52 FCM revenues while avoiding the risk of not being able to deliver upon the obligation
53 undertaken for a 12-month period more than three years in the future.

54 **Q. Please describe the communication that occurs between the Compact and ISO-NE**
55 **during the FCM process. Include a description of any limits ISO-NE may place on**
56 **Program Administrator bids (i.e., capacity limits, measure life, etc.).**

57 A. The Compact and the ISO-NE are involved in continuous, as-needed communication with
58 appropriate staff members at the ISO-NE. These communications are conducted via
59 electronic messages, phone calls, in-person meetings, pre-scheduled training webinars,
60 and submittal of documents using ISO-NE computer systems.

61 The ISO-NE staff have the ability to limit Program Administrator bids in two
62 ways: quantity and price.

63 **Quantity**

64 Beginning with FCA-9, ISO-NE staff began using a new procedure to qualify the amount
65 of energy efficiency being bid into each auction. The qualified amount is limited by a

66 simple average growth rate based upon past performance. In effect, ISO-NE staff assume
67 that the Program Administrator will continue to install measures at the same rate that has
68 been achieved in the past. In a presentation to the Demand Resources Working Group on
69 February 4, 2015 they explained that absent clear evidence to the contrary by the
70 Program Administrator in the Show of Interest and New Capacity Qualification packages,
71 the quantity qualified in each auction will be limited by historical patterns.

72 **Price**

73 ISO-NE staff also has the ability to set the lowest price in the auction at which the
74 Program Administrator is allowed to offer capacity. In the first nine auctions, this price
75 was set at \$0.00/kW-month; this is effectively no limit on the offer price. For the
76 upcoming 10th auction, however, the ISO-NE has set this offer floor price for energy
77 efficiency resources to a value of \$3.12/kW-month. Should any market participant
78 wishing to offer new energy efficiency into FCA-10 want to offer at a price below that
79 value, they would need to submit cost information to the ISO-NE along with the New
80 Capacity Qualification package, which is due each June. This value is not generally
81 considered to be a binding value for FCA-10, as the auction is expected to clear above
82 this price. This offer floor price is subject to change for each auction.

83 **Q. Please describe the Compact's participation in FCM reconfiguration auctions to date**
84 **(both annual and monthly), including a discussion of any advantages/disadvantages to**
85 **participating in these auctions.**

86 A. The Compact has chosen to participate in various reconfiguration auctions since June
87 2010. Participation in reconfiguration auctions has always been voluntary for the
88 Compact.

89 In the first two Commitment Periods of the FCM – 2010/2011 and 2011/2012 –
90 the Compact delivered savings that were slightly below the obligations taken in FCA-1
91 and FCA-2, and as such the Compact entered demand bids for all or portions of those
92 periods. A demand bid is entered when there is a need to reduce the capacity supply
93 obligation. Specifically, the Compact shed 3.000 MW in an annual reconfiguration
94 auction for 2010/2011, and then shed approximately 600 kW, 400 kW, and 200 kW in the
95 monthly reconfiguration auctions for June 2011, July 2011, and August 2011,
96 respectively.

97 For several years thereafter, the Compact took no action in any reconfiguration
98 auctions, and was completely able to deliver savings to meet or exceed the obligations
99 taken in the FCAs. Any amount of savings delivered above obligations taken was being
100 monetized through demand resource incentive payments, at a rate higher than generally
101 available in monthly reconfiguration auctions.

102 Beginning in March 2015, the Compact has routinely submitted supply offers in
103 monthly reconfiguration auctions. Since the beginning of this year, the rate generally
104 available in monthly reconfiguration auctions has consistently been higher than the rate
105 available from incentive payments, and therefore the Compact has begun to use supply
106 offers in monthly reconfiguration auctions to maximize FCM revenues available from
107 their position of delivering more savings than was obligated in the relevant FCA.

108 The Compact has not made use of supply offers in annual reconfiguration
109 auctions. The primary reason for this is the timing of these auctions and the risk of
110 delivery. The annual reconfiguration auctions are held roughly two years, one year, and
111 then three months in advance of the *first* month of the relevant commitment period.
112 Assuming an incremental obligation for a 12-month period so far in advance makes
113 precise adjustments to capacity supply obligations difficult. Instead, the Compact has
114 chosen to adjust their obligations using monthly reconfiguration auctions, which are
115 performed just six weeks in advance of each month. In that timeframe, the risk of being
116 able to meet the adjusted obligation amount is very small.

117 **III. CONCLUSION**

118 **Q. Does this conclude your testimony?**

119 A. Yes, it does.

**THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES**

CAPE LIGHT COMPACT

)
) D.P.U. 15-166

**PRE-FILED TESTIMONY OF
MARGARET T. DOWNEY
ON BEHALF OF
THE CAPE LIGHT COMPACT**

1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Margaret T. Downey. My business address is c/o Cape Light Compact, 3195
4 Main Street, Barnstable, MA 02630.

5 **Q. By whom are you employed?**

6 A. I am employed by Barnstable County (the "County").

7 **Q. Please state your current position and provide a brief job description.**

8 A. I am the Compact's Administrator and have served in this position since its inception in
9 1997. As Administrator, I oversee the administration of the Compact and its
10 development and implementation of its energy efficiency programs, as well as its
11 provision of competitive energy supply through its municipal aggregation program.

12 **Q. Provide a brief job description for your position as Administrator for the Compact.**

13 A. As the Compact's Administrator, I manage the Compact's activities as an Electric Energy
14 Efficiency Program Administrator and as a municipal aggregator for residents and
15 businesses of Cape Cod and Martha's Vineyard. Specifically, with respect to the
16 Compact's energy efficiency activities, I oversee the administration of the Compact's
17 annual energy efficiency program budgets that are part of the three-year statewide
18 Department of Public Utilities ("DPU" or "Department") approved plan. I am
19 responsible for local and state regulatory reporting and approvals, as well as the oversight
20 of the participation and compliance in the ISO New England forward capacity market. I
21 represent the Compact as a non-voting member of the Energy Efficiency Advisory
22 Council, and regularly make presentations and report to customers, the Compact's

23 Governing Board (“Board”) members, staff, regulatory agencies and community
24 advocates.

25 **Q. Briefly describe the purpose of your testimony in this proceeding.**

26 A. I am offering this testimony to provide general information in support of the Compact’s
27 2016-2018 Three-Year Energy Plan, which adopts as its core, the 2016-2018
28 Massachusetts Joint Statewide Three-Year Energy Efficiency Plan (“Statewide Plan” and
29 collectively “Three-Year Plan”) in addition to provide further information as follows:

- 30 1. The background of the Compact;
- 31 2. Identification of specific initiatives or program designs that are unique to the
32 Compact;
- 33 3. A discussion of the *Cape Light Compact Potential & Program Opportunities Study*,
34 prepared by Opinion Dynamics Corporation and Dunsky Energy Consulting (“Opinion
35 Dynamics/Dunsky”) (July 2015) (“Potential Study”);
- 36 4. Analysis and support for the funding requirements for the first year (2016) of the
37 2016-2018 Three-Year Plan and;
- 38 5. Responses to the questions issued by the Department in its Revised Additional Filing
39 Requirements Memorandum (October 2, 2015).

40 **II. BACKGROUND OF THE COMPACT**

41 **Q. Please describe the Compact’s purposes.**

42 A. The purposes of the Compact include, among other things, (1) to provide the basis for
43 aggregation of all consumers on a non-discriminatory basis; (2) to negotiate the best
44 terms and conditions and the most competitive market rates available for electricity

45 supply and transparent pricing; (3) to provide sharing of economic savings to consumers
46 based on current electric rates and/or cost-of service ratemaking approved by the
47 Department; (4) to provide full public accountability to consumers; and (5) to utilize and
48 encourage demand side management and other forms of energy efficiency and to advance
49 consumer awareness and adoption of a wide variety of energy efficiency measures
50 through the implementation of an energy efficiency plan.

51 **Q. How is the Compact different from the other utility program administrators?**

52 A. The Compact is the only publicly funded, municipal aggregator (as defined by G.L. c.
53 164, § 134) that is also an energy efficiency program administrator (“PAs” or “Program
54 Administrators”) in Massachusetts. Unlike every other Department-approved energy
55 efficiency PA, the Compact has no stockholders, has no rate of return, does not collect
56 performance incentives and is controlled by a governing board consisting of
57 representatives from its municipal members. Each Compact member appoints a
58 representative to the Compact Governing Board, which is responsible for setting policy
59 and overseeing the Compact’s energy efficiency programs.

60 **Q. Is the Compact’s Governing Board involved in the development of the Compact’s**
61 **energy efficiency plans?**

62 A. Yes. The Compact’s unique governing structure permits it to maintain its community
63 roots and to be responsive to consumer needs and concerns, as well as devote itself to the
64 advancement of energy efficiency. The Compact Governing Board has been involved in
65 the development and review of the Compact’s proposed budget and savings goals for the
66 Three-Year Plan. As part of this planning process, the Compact Governing Board and

67 Compact Staff were guided by the results of the Potential Study. See Petition Exhibit
68 Compact-1 at Appendix M.

69 **Q. In connection with the development of the Compact's budget and savings goals, in**
70 **addition to the Potential Study, did the Compact perform any community outreach**
71 **and input?**

72 A. Yes, starting in May 2015 through October 2015, the Compact has held twenty seven
73 (27) community forums discussing the proposed 2016-2018 Three-Year Plan.
74 Additionally, the Compact held four (4) public informational sessions. At the community
75 forums, informational sessions, and Compact Board meetings, staff discussed Compact
76 program enhancements to the Three-Year Plan and bill impacts.

77 **Q. Does the Governing Board consider ratepayer impacts in its evaluation of the**
78 **proposed Three-Year Plan?**

79 A. Yes. Since one of the Compact's basic tenets is to represent and protect consumer
80 interests, the budget and goals established for the Compact's Three-Year Plan were set at
81 a level that would minimize impacts to ratepayers while still maintaining robust energy
82 efficiency programs that capture all cost-effective energy efficiency on Cape Cod and
83 Martha's Vineyard. The Compact's proposed budget and savings goals continue to be
84 ambitious and will allow for the Compact to continue offering outstanding energy
85 efficiency programs on Cape Cod and Martha's Vineyard.

86 **Q. Please describe the Compact's Three-Year Plan and how it was developed.**

87 A. The Compact proposes to adopt, as the core of its Three-Year Plan, the 2016-2018
88 Massachusetts Joint Statewide Three-Year Energy Efficiency Plan, which the

89 Massachusetts Program Administrators developed in collaboration with the
90 Massachusetts Energy Efficiency Advisory Council (“Council”), Council consultants
91 (“Consultants”), and other interested stakeholders. Planning for the development of the
92 Statewide Plan began in December 2014 and continued with increasing rigor throughout
93 2015. During this time, the gas and electric distribution companies and municipal
94 aggregators have been engaged in detailed and comprehensive discussions with the
95 Council, its Consultants and stakeholders. As part of the development of the Statewide
96 Plan, in 2015, the PAs participated in sixteen (16) Council meetings and seven (7)
97 workshops, at which the PAs presented on a variety topics as directed by the Council and
98 the Consultants. The PAs also participated in at least eleven (11) Council Executive
99 Committee meetings. In addition, the PAs convened numerous working groups and held
100 one-on-one meetings with stakeholders to address best practices and issues related to the
101 development of the Statewide Plan. Moreover, the PAs participated in a number of
102 Department proceedings related to energy efficiency plans and collaborated with other
103 stakeholders whenever possible, including D.P.U. 11-120-A, Streamlining Working
104 Group.

105 The PAs developed and filed with the Council draft versions of the Statewide
106 Plan on April 30, 2015 and September 25, 2015. Since the September draft, the PAs have
107 remained actively engaged in discussions with the Council and the Consultants in an
108 effort to reach as much consensus as possible and obtain the full support of the Council.
109 In September 2015, the PAs, the Department of Energy Resources (“DOER”), the
110 Attorney General, Energy and Environmental Affairs (“EEA”) and the Consultants,

111 reached agreement on key terms in the Statewide Plan (“Electric and Gas Term Sheet
112 2016-2018”). This “Term Sheet” was supplemented on September 25 and again on
113 October 26 to take into account adjustments made in response to additional evaluation
114 findings as reflected in the Technical Reference Manual (“TRM”) and to adjust the
115 expected trajectory of savings year-by-year. See Exhibit Compact-1, Appendix D. The
116 PAs submitted a near-final draft of the Statewide Plan to the Council in advance of its
117 October 21, 2015 meeting, where the Council began to discuss a draft resolution about
118 proposed efforts. The Council issued a final resolution noting support of the Statewide
119 Plan at its October 26, 2015 meeting. See Exhibit Compact-1, Appendix I.

120 **Q. Is the Compact seeking Department approval of its proposed Three-Year Plan?**

121 A. Yes. On October 30, 2015, the Compact submitted its Three-Year Plan for Department
122 review and approval pursuant to G.L. c. 164, § 134(b), G.L. c. 25, §§ 19 and 21, an Act
123 Relative to Green Communities (“Green Communities Act”). The Compact’s Three-
124 Year Plan filing was prepared under my supervision. The Statewide Plan was
125 unanimously approved by all of the Program Administrators. The Three-Year Plan will
126 allow the Compact to satisfy the mandate of the Green Communities Act to capture all
127 available cost-effective energy efficiency opportunities during the years 2016 through
128 2018 and maximize environmental benefits and net economic benefits through a
129 sustained and integrated statewide energy efficiency effort. In setting aggressive energy
130 efficiency goals, the Three-Year Plan takes into account many competing considerations,
131 including, without limitation, environmental and economic benefits, bill impacts, cost
132 efficiency, integrated program delivery and environmental and economic benefits.

133 **Q. Is the Three-Year Plan Filing consistent with the filing requirements established by**
134 **the D.P.U. 08-50 Working Group, the Guidelines, and the Hearing Officer**
135 **Memorandum issued on October 2, 2015?**

136 A. The Three-Year Plan filing is consistent with the Department's requirements as
137 established in D.P.U. 08-50, the Guidelines, and the Hearing Officer Memorandum
138 issued on October 2, 2015. The Three-Year Plan includes information about proposed
139 and integrated electric and gas efforts as well as information about compact-specific
140 efforts proposed for implementation in 2016 – 2018.

141 **Q. How does the Three-Year Plan comply with the GCA requirement that “all**
142 **available energy efficiency and demand reduction resources that are cost effective**
143 **or less expensive than supply” be acquired?**

144 A. The Program Administrators are proposing to obtain all available cost-effective energy
145 efficiency through an aggressive and sustainable level of savings for their energy
146 efficiency activities. The PAs' savings goals are consistent with the Department's orders
147 and the Council's priorities, both of which emphasize setting challenging goals that take
148 into account bill impacts and sustainability of efforts over an extended period. In
149 formulating these goals, the PAs reviewed the types of projects, customers already
150 served, those markets that have potential to be served as informed by the PAs' market
151 assessment, historical performance (taking into account unique projects that are unlikely
152 to be repeated), EM&V results, and preliminary program results. These savings goals are
153 designed to achieve all available cost-effective energy efficiency with due consideration
154 of bill impacts. Section IV.G of the Three-Year Plan and Appendix C provide more

155 detail on savings and benefits of the Three-Year Plan, including cost-drivers and unique
156 drivers of savings goals in specific territories.

157 **Q. Discuss the Compact's tables provided in Exhibit Compact-4.**

158 A. The tables in Exhibit Compact-4 provide Compact-specific information in the format
159 collaboratively developed in the D.P.U. 08-50 Working Group. These tables provide
160 detailed underlying information with respect to all aspects of the Three-Year Plan in a
161 manner that is common across all Program Administrators. As noted in the Three-Year
162 Plan filing, the Compact will also be supplementing these tables with PA-comparison
163 tables in approximately two weeks from this filing, and will describe where Compact-
164 specific savings, costs and benefits vary by more than 20 percent from statewide
165 averages. This information will be submitted as Exhibits Compact-8 and Compact-9. In
166 short, the tables in these exhibits serve as a complement to the statewide tables provided
167 in the Statewide Plan. The statewide tables contained in the Statewide Plan reflect the
168 mathematical aggregation of the Program Administrator specific information for all
169 Program Administrators across the Commonwealth. In other words, the information
170 provided in Exhibit Compact-4 is a key underlying component of the statewide tables.

171 **Q. Can you further describe how the Compact presented cost/benefit analyses in the
172 Three-Year Plan?**

173 A. The Compact presented benefit/cost analyses in its Energy Efficiency Data Tables
174 (Exhibit Compact-4) both by customer sector and by program. The Compact's analyses
175 were completed using Benefit Cost Ratio ("BCR") Screening Models ("Screening

176 Models” (Exhibit Compact-5)) that implement the TRC test. Consistent with the
177 Department’s Guidelines, the Screening Models filed by the Program Administrators
178 include the program level budget information for each of the three years along with the
179 measure level costs, measure level electric and other resource benefits, and non-resource
180 benefits.

181 **Q. Has the Compact allocated funding to low-income programs in accordance with the**
182 **GCA?**

183 A. Yes. The Compact has complied with the GCA’s mandate in G.L. c. 25, § 19(c) that at
184 least 10 percent of the amount expected for electric energy efficiency programs be spent
185 on low-income programs. See Exhibit Compact-4.

186 **Q. How does the Three-Year Plan satisfy the economic development and job growth**
187 **requirements under the GCA?**

188 A. An important element of the Three-Year Plan is the economic impact of energy
189 efficiency on the Commonwealth and its citizens, including job creation and retention
190 stemming from energy efficiency programs. One way that energy efficiency affects
191 consumers and businesses is by reducing energy costs, thereby allowing the money saved
192 to be spent elsewhere, thus stimulating other sectors of the economy. Additionally,
193 energy efficiency programs create a wide variety of jobs, many of them tied to local
194 communities. According to the 2014 Massachusetts Clean Energy Industry Report,
195 energy efficiency has been adding jobs to the Commonwealth at a 35.6% growth rate
196 since 2013. The Program Administrators are committed to job training for emerging
197 clean energy industries, as well as sustainable funding of energy efficiency programs in

198 order to maintain a consistent workforce. Section IV.G.4 of this Three-Year Plan
199 provides additional information regarding job growth in the energy sector.

200 **Q. Please discuss the format of the Statewide Plan.**

201 A. The Statewide Plan is organized consistent with the format developed in the D.P.U. 08-50
202 Working Group and seeks to address each of the items set forth in the model form table
203 of contents developed by the D.P.U. 08-50 Working Group. A brief overview of key
204 elements of the Three-Year Plan follows:

- 205 • Section I provides an executive summary highlighting key benefits of the Three-Year
206 Plan including core goals for 2016-2018, a summary of data reporting, and an
207 overview of compliance with the Green Communities Act.
- 208 • Section II provides an introduction to the Three-Year Plan, including core goals,
209 statutory context, reporting methods, and an overview of GCA compliance.
- 210 • Section III provides an overview of statewide programs, including mechanisms for
211 collaboration, continuous improvement, sharing of best practices and engagement
212 with third-party stakeholders.
- 213 • Section III.E describes the Residential Programs including highlights, new and
214 innovative programs for 2016-2018, and core initiative descriptions. The relevant
215 data tables are provided as Appendix C to the Three-Year Plan.
- 216 • Section III.F describes the low-income programs for both single family and multi-
217 family homes. The relevant data tables are provided as Appendix C to the
218 Three-Year Plan.
- 219 • Section III.G describes the C&I Programs, including accomplishments during the
220 2013-2015 term, 2016-2018 term enhancements, mechanisms for collaboration,
221 continuous improvement, and sharing of best practices, and descriptions of core
222 initiatives.
- 223 • Section III.H describes proposed Pilots, Hard-to-Measure Efforts, and Creative New
224 Approaches for the 2016-2018 term.
- 225 • Section III.I describes the Marketing Plan and Activities including an update on the
226 Mass Save program and new marketing initiatives for the Three-Year Plan Term.
- 227 • Section III.J sets forth the details regarding the Public Education component of the
228 Residential Education initiative. This component provides outreach programs and
229 consumer education for students in grades K-12+, educators, parent/teacher

- 230 organizations, and community groups. This section discusses specific elements of the
231 initiative, including collaboration by the Program Administrators with DOER,
232 educational institutions, the statewide marketing working group, and PA education
233 departments. In addition, the section outlines the educational outreach strategies for
234 2016-2018.
- 235 • Section III.K sets forth the details regarding Community Engagement including
236 collaboration with local community advocates and community leaders.
 - 237 • Section III.L outlines Program Administrator specific programming and includes a
238 descriptive reasoning for why differences among the Program Administrators exist
239 and/or are necessary based on each service area's unique characteristics or conditions.
240 Additional information regarding Program Administrator specific initiatives can be
241 found in Appendix L of the Plan.
 - 242 • Section IV of the Plan details the statewide budget, savings and benefits.
 - 243 • Section IV.A provides background for the Program Administrators' development of
244 goals, including budgets, annual savings, lifetime savings, and benefits. In support of
245 the development process, Section IV.A provides the assumptions made by the
246 Program Administrators, unique service area drivers, and examples of costs to
247 achieve.
 - 248 • Section IV.B describes the budget cost categories including definitions, salary
249 allocation, vendor-related costs, identification of "difficult to assign" costs, and a
250 description of continuous improvement. These refined definitions of budget
251 categories provide additional clarification and further the PAs efforts to apply the
252 definitions on a consistent basis. Specifically, the PAs have implemented changes to
253 the allocation of salaries in accordance with the Department's 2013-2015 Order.
 - 254 • Section IV.C describes Performance Incentives. The Compact is the only publicly
255 funded, municipal aggregator (as defined by G.L. c. 164, § 134) energy efficiency
256 program administrator in Massachusetts. Since it is a public entity consisting of
257 twenty-one towns and two counties, it does not participate in performance incentives
258 or collect lost-based revenues. As such, any discussion of these topics contained in
259 the Three-Year Plan does not pertain to the Compact and general references to
260 Program Administrators in these topic narratives do not include the Compact.
 - 261 • Section IV.D provides the bill impacts to customers for the 2016-2018 three year plan
262 budget as well as an analysis of the actual costs associated with the proposed three-
263 year plan. As part of these analyses, the Program Administrators discuss the effects
264 of the Forward Capacity Market and Regional Greenhouse Gas Initiative.
 - 265 • Section IV.E describes the Evaluation, Measurement and Verification framework, the
266 work of the Evaluation Management Committee, descriptions of research areas,
267 proposed evaluation budgets, types of evaluation functions, and the evaluation

- 268 planning and evaluation strategic plan. The details and priorities for the Strategic
269 Evaluation Plan are provided as Appendix S.
- 270 • Section IV.F provides a description of the technical reference manual and an update
271 with respect to the development of the technical reference library.
 - 272 • Section IV.G provides a description of the core benefits and cost-effectiveness,
273 including energy and demand savings, environmental benefits, net benefits and cost-
274 effectiveness, and additional benefits.
 - 275 • Section V provides an overview of the GCA requirements and goals and
276 incorporation of same into the three-year plan.
 - 277 • Section V.A discusses the Program Administrators goal of obtaining all energy
278 efficiency savings that are cost-effective or less expensive than supply resources and
279 an analysis of same. Section V.A describes the Program Administrators experience in
280 the field, a review of E&MV results, program administrator-specific studies,
281 coordination with the EEAC, stakeholder engagement, and the EEAC consultants’
282 assessment.
 - 283 • Section V.B describes the key challenges and market barriers faced by the Program
284 Administrators. Section V.B also provides an assessment of technical potential for
285 addressing these challenges and barriers.
 - 286 • Section VI describes the cost recovery, funding sources, and financing initiatives
287 proposed by the Program Administrators.
 - 288 • Section VI.A describes the background and framework for approval of the Program
289 Administrators cost recovery proposal.
 - 290 • Section VI.B provides the funding sources from which the Program Administrators
291 seek cost recovery for the three-plan programs.
 - 292 • Section VI.C provides the procedural history for lost base revenue.
 - 293 • Section VII encompasses the “miscellaneous” aspects of the three-year plan including
294 mid-term modifications and the statewide energy efficiency database.
 - 295 • Section VII.A describes the efforts undertaken by the Program Administrators to
296 streamline processes in an effort to reduce costs for customers.
 - 297 • Section VII.B describes the Mid-Term Modification process including how
298 Mid-Term Modifications were utilized by the Program Administrators during the
299 2013-2015 three year plan term.
 - 300 • Section VII.C provides the background and status of the statewide database
301 developed by the Program Administrators (“Mass Save Data” or “MSD”). Appendix
302 W provides a summary of database events. Section VII.C also provides a summary of
303 the benefits provided by Mass Save Data.

- 304 • Section VII.D discusses docket D.P.U. 14-86 (the “Carbon Docket”). In the Carbon
305 Docket, DOER and the Massachusetts Department of Environmental Protection have
306 jointly petitioned the Department to adopt a value for the avoided cost of carbon.
307 Section VII.D describes the impact of a Department decision on the Three-Year Plan.
- 308 • Section VII.E discusses the potential impacts of the proposed changes to DOER’s
309 residential conservation services (“RCS”) regulations. DOER’s rulemaking regarding
310 its RCS regulations is currently pending.
- 311 • Section VII.F is specific to the Eversource program administrators and discusses
312 treatment of Eversource’s electric customers as one entity for purposes of the Three-
313 Year Plan.
- 314 • Section VII.G is specific to Blackstone and National Grid (gas) and describes the
315 arrangement approved by the Department whereby National Grid will provide energy
316 efficiency services to Blackstone’s customers. This arrangement was approved in
317 D.P.U. 15-79.

318 **Q. Does the Three-Year Plan also contain Appendices and background information?**

319 A. Yes. The Statewide Plan also contains detailed appendices and background information,
320 including a glossary, regulatory background and history, statewide energy efficiency data
321 tables, the Term Sheet, the Council’s March 31, 2015 Resolution, the PA response matrix
322 to the March resolution, the Council’s resolution of July 21, 2015, the PA response
323 matrix to the July resolution, the Council’s resolution of October 26, 2015, the 2015
324 report about avoided energy supply costs in New England, examples of demonstration
325 project reports, PA-specific programming, studies of remaining potential, maps of service
326 areas, unique service area challenges presentations, participant definitions, vendor cost
327 categories, performance incentive models, the strategic evaluation, plan, evaluation study
328 summaries, evaluation studies, the technical reference manual, database background
329 materials, and responses and roadmap to the Department’s additional filing requirements.

330 **III. COMPACT SPECIFIC PROGRAM ENHANCEMENTS**

331 **Q. Does the Compact provide enhanced core program initiatives as part of its approved**
332 **2013-2015 Three-Year Plan?**

333 A. Yes. In addition to the Statewide Plan, which is the core of the Compact's approved
334 2013-2015 Three-Year Plan, the Compact provides specific program enhancements in
335 several plan areas. These program departures result from the Governing Board's policy
336 direction to continue existing programs that are both successful and responsive to the
337 Compact's unique customer population. The Compact has tailored the statewide program
338 offerings, where necessary to better meet its customers' unique profiles and needs. The
339 Compact's Governing Board has determined that these enhancements are necessary to
340 continue to best serve the needs and meet the demands of the Compact's unique customer
341 base.

342 **A. Residential Program Enhancements**

343 **Q. Does the Compact offer any enhancements to its Residential Products Program?**

344 A. Yes. To continue educating customers in how to make smart, efficient lighting choices,
345 the Compact will work with towns on Cape Cod and Martha's Vineyard in 2016 to offer
346 a free LED bulb to town residents who attend the annual Town Meeting. In addition to
347 the give-away, the Compact will provide residents with educational materials on how to
348 make the best lighting purchases for their needs.

349 **Q. Does the Compact offer any enhancements to its Residential Whole House**
350 **Program?**

351 A. Yes. Since 2007 the Compact offers an enhanced incentive for customers whose income
352 is 61% to 80% of the state median income. These customers are served at the 100%

353 incentive level for all identified cost-effective measures in the Home Energy Services
354 Core Initiative. The Compact implemented these programs because this customer
355 segment is identified as hard to reach and hard to serve.

356 Starting in 2016 all PAs will be offering a program serving customers whose
357 income is 61% to 80% of the state median income. The Compact will coordinate with
358 other PAs in the development of a consistent delivery approach to this program as well as
359 adding new measures that are applicable for moderate income customers.

360 **Q. Does the Compact offer any other enhancements to its Residential Whole House**
361 **Program?**

362 A. Yes. Under the Home Energy Services Core Initiative, the Compact offers 100%
363 incentives, up to the program cap, for qualified weatherization incentives for year-round
364 renters that are responsible for payment of the electric bill. The Compact also raised the
365 cap for weatherization to \$4,000 for all customers after it identified that average
366 recommendations often surpassed the previous cap of \$2,000. The change has allowed
367 customers to make improvements within one year rather than over several years.

368 Starting in 2016 all PAs will be offering a program for qualified weatherization
369 incentives for year-round renters that are responsible for payment of their electric bill.
370 The Compact will coordinate with other PAs in the development of a consistent delivery
371 approach to this program.

372 **Q. Does the Compact deliver services in its Residential Whole House Program in a fuel-**
373 **neutral manner?**

374 A. Yes. The Compact has been administering its residential programs in a fuel-neutral
375 manner since the Department approved its initial energy efficiency plan in 2001. At the
376 direction of the Governing Board, the Compact will continue to administer its programs
377 to all electric ratepayers on Cape Cod and Martha's Vineyard, regardless of their energy
378 service provider or source of fuel for home heating. The Compact's fuel-neutral
379 approach to serving customers has included serving customers who heat their homes with
380 natural gas and choose to be served by the Compact. This fuel-neutral administration
381 reflects the unique characteristics of Cape Cod and Martha's Vineyard, and allows all
382 electric ratepayers to benefit from the Compact's enhanced incentives.

383 **Q. Does the Compact actively promote its fuel-neutral administration of energy**
384 **efficiency services?**

385 A. The Compact actively promotes its energy efficiency programs to all electric customers,
386 in a fuel-neutral manner. The Compact does not directly market to gas customers on
387 Cape Cod. The Compact, however, will not turn away a gas customer if the customer
388 contacts the Compact requesting energy efficiency services. The Compact will also not
389 prevent a gas customer from choosing another program administrator, if available, to
390 provide a home energy audit.

391 **Q. Does the Compact only administer approved electric energy efficiency measures**
392 **under its Home Energy Services program?**

393 A. Yes. Each of the services the Compact provides through the Home Energy Services
394 program is an approved measure. The Compact does not administer any unique gas
395 measures (*e.g.* heating systems) outside of the Home Energy Services program and refers

396 to the gas program administrator those customers inquiring about gas measures beyond
397 air sealing and insulation.

398 **Q. Does the Compact's 2016-2018 Three-Year Plan propose to continue these**
399 **Residential Program enhancements as described above?**

400 A. Yes. Eliminating these programs enhancements would result in customers being eligible
401 for fewer energy efficiency measures than is currently the case under the Compact's
402 programs.

403 **B. Additional Residential Enhancements for the 2016-2018 Three-Year Plan**

404 **Q. Does the Compact propose any new enhancements to its Residential Programs for**
405 **the 2016-2018 Three-Year Plan?**

406 A. Yes. The Compact Governing Board has evaluated potential new offerings to the
407 residential sector programs. The Governing Board has determined that these new
408 enhancements will further tailor the Compact's program offerings to better meet its
409 customers' unique profiles and needs. The Compact's Governing Board has determined
410 that these enhancements are necessary to continue to best serve the needs and meet the
411 demands of the Compact's unique customer base.

412 **Q. What additional enhancements to the Residential Programs are being proposed?**

413 A. The following additional enhancements to the Residential Programs are being proposed:
414 a. Multi-family buildings heated by oil and propane will be offered the same incentives
415 available under the Home Energy Services initiative. Costs will be allocated
416 between commercial and residential customers as determined by the type of meter.

417 b. Incentives related to the Compact's Demand Response Demonstration Offering

418 Please refer to Section D, *infra*, for further information on this offering.

419 c. A classroom-based energy efficiency education program designed to continue into

420 the home in education outreach to the school families. Teachers will be trained on

421 energy efficiency curriculum and "Be Energy Smart" kits. Students will be given

422 take-home kits from the Compact to install energy efficiency measures and record

423 their findings for this program. The students' results are sent directly to the teacher.

424 Teachers will record and send the information directly to the Compact to be

425 evaluated for energy savings.

426 d. Providing an incentive for customers to install Electric Vehicle ("EV") charging

427 stations.

428 **C. Commercial & Industrial Enhancements**

429 **Q. Does the Compact offer any enhancements to its Commercial & Industrial**
430 **Programs?**

431 A. Yes. All Compact municipal customers are eligible for 100% incentives for all cost-

432 effective public projects. The Compact's Board reviews any municipal project that

433 exceeds an incentive amount of \$150,000.

434 **Q. Does the Compact offer any enhancements to the Small Business core initiative?**

435 A. Yes. For some time, the Compact has offered an increased baseline incentive to its small
436 business direct install participants of 80% as compared to the statewide 70% offering.

437 Beginning in 2013, the Compact started offering an increase to its direct install incentive

438 for qualifying small business tenant customers who pay their own electric bill, up to 95%

439 of the cost of all cost-effective measures. Also beginning in 2013, the Compact began
440 offering 12-month zero percent interest financing for qualifying small business direct
441 install customers. The Compact funds this interest rate buy down, which is over and
442 above the incentive offer. This option is not available to customers participating in
443 higher incentives of the tenant initiative.

444 **Q. Is the Compact offering any new enhancements to the Small Business core initiative**
445 **as part of the 2016-2018 Plan?**

446 A. Yes, for 2016 the Compact is rolling out several additional enhancements to its C&I
447 Retrofit Program, each designed to further reduce barriers to participation for key
448 customer segments.

449 First, the Compact proposes to enhance its commercial and industrial retrofit
450 program to include all cost-effective thermal measures designed to save oil, propane and
451 other unregulated fuels.

452 Second, the Compact is launching a new effort for its small C&I customers. The
453 new initiative will be modeled after the Home Energy Services (“HES”) program and
454 will include a Business Energy Audit (“BEA”) and a core offering of deemed savings
455 measures, many of which can be installed in the first visit, some with an 100% incentive.
456 For its small business direct install customers, the Compact continues to offer higher
457 incentives for standard Direct Install measures (up to 100% rather than up to 70% as
458 offered in the Statewide Plan).

459 Third, the Compact plans to offer 100% incentive for all cost-effective measures
460 for up to 100 (first come, first serve) non-profit corporations per year on Cape Cod and
461 Martha's Vineyard as follows:

- 462 • Non-profit organizations must be a 501(c)(3); and
- 463 • Operating more than 5 years with unrestricted annual operating revenue of less than
464 \$15M for non-profit serving low income customers and less than \$2M for all other
465 non-profit organizations.

466 Please note that this non-profit effort is still being finalized.

467 **Q. Does the Compact's 2016-2018 Three-Year Plan propose to continue these**
468 **Commercial & Industrial Program enhancements as described above?**

469 A. Yes. Eliminating these program enhancements would result in customers being eligible
470 for fewer energy efficiency measures than is currently the case under the Compact's
471 programs.

472 **D. The Compact's Demand Response and Behavior Offering**

473 **Q. Is the Compact proposing a Demand Response Demonstration Offering?**

474 A. Yes. The Compact has developed a Demand Response Demonstration Offering that is
475 fully discussed in Exhibit Compact-11.

476 **Q. Briefly describe the Demand Response Demonstration Offering.**

477 A. The Compact proposes to roll out its Demand Response Demonstration Offering to
478 customers of Cape Cod and Martha's Vineyard in the second quarter of 2016. The goals
479 of this Demand Response Demonstration Offering are to reduce customer demand
480 through curtailment events and to encourage load-shifting through technology and
481 behavioral change. The Compact will build on the success of the behavioral initiatives

482 pioneered early in the field to establish a platform for the “connected home” (and
483 possibly “connected business”) and will install The Energy Detective (“TED”) devices on
484 up to 200 residential and small commercial electric meters through the Compact’s HES
485 and BEA programs. TED will allow electric customers to access their electric usage on a
486 real time basis through an application on their mobile phone or computer.

487 **IV. THE POTENTIAL STUDY**

488 **Q. Did the Compact direct the completion of a study to evaluate the energy efficiency**
489 **potential on Cape Cod and Martha’s Vineyard?**

490 A. Yes. The Compact retained Opinion Dynamics/Dunsky to evaluate the penetration,
491 potential and program opportunities in the Compact’s service territory. The goal of this
492 research was to determine the achievable potential from electric measures among
493 residential, low-income and commercial and industrial customers for the six-year period
494 2016-2021 and to inform the Compact’s program and planning efforts. The outputs of
495 the Potential Study are intended to satisfy requirements of the Department’s Order dated
496 January 31, 2013, D.P.U. 12-107 to document the penetration of energy efficiency within
497 the Compact’s service territory and develop estimates of savings potential. The Potential
498 Study is provided as Appendix M to Exhibit Compact-1.

499 **Q. Briefly describe the results and methodology of the Potential Study.**

500 A. After extensive primary and secondary research, the Potential Study estimates the
501 Compact’s total achievable energy efficiency potential for the six-year period 2016-2021
502 to be 246 annual GWh and 62 MW. On average over the six-year period, achievable
503 energy savings represent 1.98% of Compact forecasted annual sales. These electric

504 savings would be expected to cost the Compact \$220 million (incentive and non-
505 incentive program costs, in 2016 dollars), an average of \$37 million per year or \$0.895
506 per annual kWh.

507 The Potential Study includes a robust analysis of the Compact's service territory
508 based on significant primary research, including a mail survey of 2,785 residential (both
509 seasonal and non-seasonal) and low-income customers, and in-home visits to 169 homes.
510 The Potential Study also includes a telephone survey of 448 commercial and industrial
511 customers, and on-site audits of 150 of those customers. The Potential Study reflects the
512 unique characteristics of the Compact's service territory and documents the Compact's
513 energy efficiency program penetration, as well as the technical, economic and achievable
514 potential.

515 **Q. How did the Compact adopt the results of the Potential Study?**

516 A. The Compact's 2016-2018 Energy Efficiency Plan is built from the bottom up, with
517 reference to the Compact's Potential Study and incorporating the latest information and
518 statewide assumptions. The Compact's 2016-2018 planned annual savings and annual
519 savings as a percent of sales, exceed those computed in the Potential Study, and the
520 Compact's planned cost per kWh saved is lower than the cost per kWh computed in the
521 Potential Study. The Compact believes it can accomplish these improvements, over what
522 is projected in the study, based on our planned C&I program delivery adjustments for the
523 2016-2018 Three-Year Plan.

524 In addition to defining the penetration of the Compact's energy efficiency
525 programs and quantifying opportunities available in the 2016-2018 timeframe, the work

526 conducted by Opinion Dynamics/Dunsky included the delivery of an excel based model
527 that will allow the Compact to revise planning assumptions and recalibrate achievable
528 potential moving forward.

529 **V. ENERGY EFFICIENCY SURCHARGE ANALYSIS**

530 **Q. In preparing its 2016-2018 Three-Year Plan, how did the Compact determine its**
531 **EES funding requirements?**

532 A. The Compact determined its EES funding requirements by reviewing: (1) the proposed
533 budgets for 2016-2018 by customer sector; (2) expected revenue in 2016-2018 from the
534 System Benefit Charge (“SBC”), the Forward Capacity Market (“FCM”), and the
535 Regional Greenhouse Gas Initiative (“RGGI”); and (3) any over- or under-recovery from
536 2015 by customer sector. The above 2016-2018 revenue sources combined with the 2015
537 over-recovery (C&I only) do not sufficiently fund the 2016-2018 proposed budgets and
538 2015 under-recovery (in residential and low-income), therefore the remaining amounts in
539 each customer sector are proposed for collection through the EES rates in each year.

540 **Q. Has the Compact presented bill impact analyses that are consistent with the**
541 **Department’s directives in D.P.U. 08-50-D?**

542 A. Yes. The bill impact assumptions used by all the PAs is described in Section III.E of the
543 Statewide Plan and the Compact bill impact analyses are presented in Exhibit Compact-6.
544 These bill analyses demonstrate that the Compact’s proposed Three-Year Plan results in
545 bill impacts that are acceptable, particularly in light of the net economic benefits
546 produced by, and the persistence of savings to be achieved over many years as a result of,
547 the Three-Year Plan.

548 **Q. What are the expected EES rates for each year of the Three-Year Plan?**

549 A. The Compact expects the following EES rates for each year in 2016 through 2018,
550 effective January 1 of each year. The current 2015 EES rates are also provided for
551 comparison.

552 **Expected 2016-2018 EES for Customers in the Compact’s Service Territory**

Customer Sector	2015 Approved EES (\$/kWh)	2016 Proposed EES (\$/kWh)	2017 Expected EES (\$/kWh)	2018 Expected EES (\$/kWh)
Residential	\$0.02349	\$0.02049	\$0.01711	\$0.01679
Low Income	\$0.00136	\$0.00168	\$0.00163	\$0.00180
C&I	\$0.01127	\$0.01083	\$0.01352	\$0.01499

553

554 **Q. How do these expected EES rates impact customer’s bills over the three-year term?**

555 A. As shown in Exhibit Compact-6, the results of the Compact’s bill impacts analysis
556 indicate that the annual, year-to-year rate impacts are below 2 percent for all rate classes.
557 Customers who participate in the energy efficiency programs will see even lower bill
558 impacts due to reduced monthly consumption. The average non-participant residential
559 customer (R-1 rate class) will experience a bill decrease each year from 2015 through
560 2018. The average non-participant low-income customer (R-2 rate class) will experience
561 minimal bill impacts over the three-year term, with a slight increase from 2015 to 2016

562 (0.17 percent), a slight decrease from 2016 to 2017 (-0.01 percent), and a slight increase
563 from 2017 to 2018 (0.08 percent). The bill impacts for non-participant C&I customers
564 varies by rate class and by year, with the highest impact of 1.78 percent for 2016 to 2017
565 (G-3) and the lowest impact of -0.29 percent for 2015 to 2016 (G-3).

566 **Q. Please elaborate on the approximately \$3.6 million under-recovery in the residential**
567 **sector for 2015, as shown in Exhibit Compact-6.**

568 A. Certainly. As part of the Compact's 2015 mid-term modification ("MTM"), on May 29,
569 2015, the Department approved a 2015 revised residential EES rate for effect June 1,
570 2015 (see D.P.U. 15-38). However, due to a communication issue, Eversource became
571 aware of the Department's order approving the revised EES rate on August 26, 2015, and
572 the revised residential EES rate did not become effective until September 1, 2015, three
573 months after the requested effective date. As a result, the Compact did not receive three
574 months' worth of the incremental funding requested through the Compact's 2015 MTM.
575 After the Department approved the Compact's 2015 MTM, the Compact was expecting
576 approximately \$21.3 million in EES revenue for the residential sector in 2015. Due to
577 the delayed start of the residential EES, the Compact now expects approximately \$17.7
578 million in EES revenue for residential in 2015, a difference of \$3.5 million. The
579 additional carrying costs associated with the delayed EES are approximately \$6,000.

580 **Q. How did the delay in the effective date of the updated residential EES rate impact**
581 **the Compact's residential customers' rates and bills in 2016?**

582 A. With the delay in the residential EES update (*i.e.*, EES effective September 1, 2015), the
583 2015 under-recovery is approximately \$3.6 million and the 2016 residential EES is 2.049

584 cents per kWh, which results in a bill impact to R-1 customers of -\$1.76 or -1.41 percent
585 compared to the 2015 effective residential rate. Without the delay in the residential EES
586 update (i.e., EES effective June 1, 2015), the 2015 under-recovery would have been
587 approximately \$107,000 due to monthly spending patterns that differ from planned
588 spending patterns. As a result, the 2016 residential EES would have been 1.719 cents per
589 kWh, which would have resulted in a bill impact to R-1 customers of -\$3.68 or -2.96
590 percent compared to the 2015 effective residential rate.

591 **Q. How did the delay in the effective date of the updated residential EES rate impact**
592 **the Compact's program implementation and administration during 2015?**

593 A. As a municipal aggregator, the Compact does not have capital reserves or the ability to
594 borrow funds to float the shortfalls in revenue that may occur as a result of the timing for
595 the receipt and adjustment of the EES. As a public entity, the Compact cannot operate its
596 energy efficiency program without receipt of supporting revenues in a reasonably
597 contemporaneous timeline. As a result of the delay in the effective date of the updated
598 residential rate, the Compact has had to delay payment of invoices to its vendors, which
599 result in the Compact paying interest on these invoices. The Compact, however, did not
600 stop serving residential customers because it was able to reach agreement with its vendor
601 to delay payment. Without this agreement, the residential program would have been
602 curtailed. The Compact and Eversource have adopted a communication protocol for
603 moving forward to prevent a re-occurrence of the communication lapse with respect to
604 changes to the Compact's EES.

605 **Q. Is the Compact requesting Department approval of the proposed 2016 EES rates as**
606 **part of its 2016-2018 Three-Year Plan?**

607 A. Yes. Consistent with the 2013-2015 Order, the Compact's EES is effective January 1 of
608 each year (see, D.P.U. 12-100 through D.P.U. 12-111, at 125, n.106). Therefore, given
609 that the Department is not expected to issue an order on the Three-Year Plan until the end
610 of January 2016, the Compact respectfully requests that prior to January 1, 2016 the
611 Department approve, subject to further review, its proposed EES rates that are consistent
612 with the 2016 proposed budget and funding levels included in the Three-Year Plan.

613 **Q. Is the Compact requesting Department approval of the estimated 2017 and 2018**
614 **EES rates as part of its 2016-2018 Three-Year Plan?**

615 A. No. The Compact regularly re-evaluates its program budgets throughout the course of
616 the three-year term to ensure that customers have every opportunity to participate in
617 programs, revenue is available to fund the program budgets, and planned goals are being
618 achieved. As examples, in both 2014 and 2015, the Compact needed to seek
619 Department-approved changes to the 2014 and 2015 EES rates that were initially
620 approved in the Compact's 2013-2015 Plan by the Department on January 31, 2013.
621 Therefore, while the estimated 2017 and 2018 EES rates included in the Compact's
622 Three-Year Plan represent the best information available to the Compact at this time, this
623 information may become outdated by the end of 2016 and 2017, respectfully. Should this
624 happen and the Compact requires additional funding, then the Compact will need to seek
625 Department approval for revised EES rates, potentially even if the Compact does not
626 trigger an MTM per the Guidelines' MTM stipulations. Conversely, if the Compact finds

627 that the estimated rates for 2017 and 2018 would result in over-recovery, then it could
628 correct for this in a timely manner, ensuring customers are not inadvertently over-
629 charged.

630 **Q. When is the Compact requesting the Department approve its 2017 and 2018 EES**
631 **rates?**

632 A. The Compact proposes that the Department approve its EES rates on an annual basis,
633 prior to January 1 of each year. Consistent with Guideline § 3.2.1.6.4.1, the Compact is
634 already required to calculate on an annual basis an updated cents per kWh charge for
635 each customer sector, using the most current information available. Instead of being
636 informational filings, the Compact requests that these annual EES update filings set the
637 Compact's EES rates for each year. The Compact proposes to continue filing its annual
638 EES update filings in the fall of each year for Department review. The only difference is
639 that the Compact requests the updated rates be approved by the Department even if the
640 budget and/or rate impacts do not trigger an MTM consistent with the Guidelines.

641 **Q. How will the Compact determine whether it has triggered a bill impact related**
642 **MTM during the 2016-2018 term?**

643 A. In the 2017 and 2018 annual EES update filings and throughout the three-year term as
644 necessary, the Compact will continue to compare updated rates proposed for approval to
645 the estimated 2017 and 2018 rates included in the Compact's Three-Year Plan. If the
646 proposed rates result in bill impact that are greater than the bill impacts included in the
647 Compact's Three-Year Plan by more than two percent, then the Compact will seek
648 Council and Department approval as necessary, consistent with the Guidelines.

649 **Q. Why is the Compact requesting this exception to the Department's Guidelines?**

650 A. As recognized by the Department in the 2013-2015 Order, the Compact cannot rely on
651 working capital to make up any revenue shortfalls. 2013-2015 Order at 125, n.106. This
652 exception would permit funding for the Compact's programs to be consistent with the
653 Compact's program spending. Otherwise the Compact may be forced to curtail program
654 implementation while regulatory proceedings evaluate proposed updates, or customers
655 could be inadvertently over charged if rates are over-recovering. If past practice is any
656 indication of future performance the Compact will likely need to seek Department
657 approval for changes to the 2017 and 2018 EES rates annually. Establishing this
658 structure now allows for predictable rate making strategies and procedures.

659 **VI. RESPONSES TO THE HEARING OFFICER MEMORANDUM**

660 **Q. Has the Compact prepared a chart cross-referencing key filing requirements of the**
661 **D.P.U. 08-50 Working Group and the GCA with sections of the Three-Year Plan?**

662 A. Yes. The Compact's Three-Year Plan filing includes a chart that outlines these key filing
663 requirements and the location by section in the Statewide Plan in Exhibit Compact-3.

664 **Q. Has the Compact addressed each of the additional items set forth in the Revised**
665 **Hearing Officer Memorandum issued on October 2, 2015 ("Additional Filing**
666 **Requirements Memo") regarding additional filing requirements for the 2016-2018**
667 **Energy Efficiency Plans?**

668 A. Yes. Please refer to Appendix X to Exhibit Compact-1 for a guide to the location of each
669 of the additional filing requirements. The additional filing requirements that sought pre-

670 filed testimony are provided below and in the Pre-Filed Testimony of Doug Hurley,
671 annexed as Exhibit Compact-2.

672 **Q. Describe the development and determination of the proposed statewide and**
673 **Program Administrator-specific savings goals. Explain how technical potential**
674 **studies and other sources were use in this regard and provide copies of all statewide**
675 **and Program Administrator-specific technical studies and other sources that were**
676 **used.**

677 A. The development and determination of the proposed statewide and Program
678 Administrator-specific savings goals takes into account an assessment of savings
679 opportunities in individual PA service areas (bottom-up), consideration of evaluation
680 study findings, and a collaborative consideration of statewide policy objectives that
681 balances savings goals and the consideration of high level energy efficiency costs that are
682 deemed acceptable (top-down). The bottom-up process involves determining savings by
683 measure, including projected quantities and customer incentive amounts for every piece
684 of equipment, type of technology or program service. The top-down process looks at the
685 portfolio as a whole, evaluating the potential for achieving higher goals given markets in
686 which the programs are operating, subject to overall cost. The impact of evaluation
687 results are considered in both bottom-up and top-down planning and may drive other
688 adjustments. The process to determine goals must be and is fluid, flexible and iterative,
689 taking into account information that the PAs learn throughout the planning process
690 related to program design, evaluation, costs and other factors.

691 The 2016-2018 Plan seeks to capture all available cost-effective energy efficiency
692 for the three-year period beginning January 1, 2016, taking into account many competing
693 considerations, including, but not limited to, bill impacts, cost-effectiveness, economic
694 and environmental benefits, efforts focused on innovation, and the need to establish an
695 “integrated” effort that can be “sustained” over time, as laid out in the Green
696 Communities Act. G.L. c. 25, § 22(b). Determining sustainability requires the PAs to
697 examine the capability of vendors and contractors as well as that of the PAs themselves
698 to respond to expanded programs, retain a capable workforce over time, and avoid large
699 fluctuations in bill impacts.

700 The PAs also engaged in detailed discussions with stakeholders to help determine
701 the appropriate budgets and goals for 2016-2018. Following the July 21st Resolution of
702 the Council, the PAs collaborated with the EEA, the DOER and the Attorney General,
703 along with the Council’s consultants, to further discuss goals, budgets, and key priorities.
704 As a result of these discussions, the PAs, EEA, DOER, and the Attorney General came to
705 agreement upon the Term Sheet. See Exhibit Compact-1, Appendix D. The Term Sheet
706 sets forth fundamental core goals for 2016-2018 that have served as a guide for the PAs
707 in developing this Plan. The Term Sheet was developed and agreed to after extensive
708 information sharing between these parties, and a general acknowledgement that there is
709 no exact formula for determining all available cost-effective energy efficiency, that the
710 Department must consider bill impacts, and that the GCA encourages consensus building
711 among the PAs and the Council. Following feedback from the Council on the Term
712 Sheet, the PAs revised electric annual savings to include an upward trajectory, taking into

713 account the Council's desire to set a national example of continued commitment to
714 energy efficiency in Massachusetts, while recognizing that overall results across the
715 entire three-year period will be the measure of success.

716 The final statewide and PA-specific goals set forth in the Plan represent the effort
717 of each PA over many months reviewing available measures and technologies, efficiency
718 standards, avoided costs, past performance, evaluation studies, potential studies, cost
719 drivers, and many other elements and considerations that go into planning, as well as
720 extensive discussions and consensus-building with stakeholders and the Council to reach
721 goals that represent all cost-effective energy efficiency, taking into account sustainability
722 and bill impacts in accordance with the GCA.

723 **Bottom-Up Planning**

724 The planning process varies for each program and initiative. For example, the budgeting
725 process for the core initiatives contained in the Residential Products program is measure-
726 specific and driven by the number of rebates expected to be issued. Other initiatives take
727 a whole-house approach with planning by projected audits, homes, or customer sites.

728 Regardless of the approach, the PAs typically begin each planning process by examining
729 historical data to gain insight into participation trends, savings achieved, and costs to
730 achieve these savings. The PAs also examine any forward-looking data, such as new
731 codes and efficiency standards, third-party research on consumer adoption of new
732 technology, and new avoided costs determined through a regional Avoided Energy
733 Supply Cost study. See Exhibit Compact-1, Appendix J. The PAs then collaborate to
734 decide what changes, if any, need to be made to program offerings. For example, the

735 PAs may decide to discontinue measures that have become standard efficiency practice,
736 or to add new measures and services in response to improved technologies or identified
737 consumer needs, subject to consideration of cost-effectiveness.

738 These types of overarching decisions are made at the statewide level at the
739 respective management committees, ensuring input from all stakeholders and continuous
740 sharing of best practices, and facilitating consistency of offerings among the Program
741 Administrators. Each PA uses this information to develop a forecast of sustainable
742 delivery in its unique service territory. PAs also consult their vendors to support or
743 augment their planning based on field experience and what is in the vendor's queue, as
744 well as talk to manufacturers and contractors for insight into workforce and technology
745 availability and limitations.

746 **Top-Down Planning**

747 While bottom-up planning focuses on what is reasonable for each individual measure,
748 top-down looks at what is reasonable and achievable for the portfolio as a whole. This
749 includes examining impacts to the overall markets that the programs are targeting as well
750 as cost implications to customers.

751 One of the tools that Program Administrators use in top-down planning is
752 potential studies, which help PAs to better understand the long-term availability of
753 energy efficiency savings within their territory and give insight into three key pieces of
754 information.

- 755 • *Technical Potential* is defined as the *complete* penetration of all measures that are
756 feasible given current technology limitations without consideration of cost or likely
757 consumer acceptance.

- 758 • *Economic Potential* refers to the subset of *technical potential* that is cost-effective
759 when compared to supply-side alternatives.
- 760 • *Achievable Potential* refers to the amount of savings potential that is attainable given
761 actual program infrastructure and societal and market limitations.¹

762 The PAs use the results of potential studies to understand the achievable, cost-
763 effective potential opportunity over a period of years. This information helps the PAs to
764 set savings goals in the Plan that are sustainable in the long run, and take into account not
765 only what is available and cost-effective, but also how willing and able customers are to
766 adopt energy efficiency measures. Several PAs have performed new potential studies in
767 advance of the 2016-2018 Plan. The results of those studies, and the lessons learned,
768 have been shared among all PAs so that each PA can learn from these studies.

769 **Evaluation Results**

770 As noted above, PAs also look at EM&V results to inform proposed goals. As part of the
771 statewide EM&V framework, the PAs collectively conduct many different types of
772 evaluation studies. Each type of study serves a different purpose in the planning process,
773 as outlined below.

- 774 • *Impact Evaluation* refers to the measurement of net or gross savings achieved within
775 overall program populations. Results from these studies typically show impacts at a
776 detailed measure or end-use level and assist the Program Administrators with their
777 bottom-up approach to planning.
- 778 • *Market Evaluation* refers to the measurement of the effects that programs have on the
779 structure and functioning of their target markets. This type of evaluation is useful in
780 top-down planning and in consideration of projected net-to-gross ratios used to derive
781 net savings.
- 782 • *Process Evaluation* refers to the systematic assessment of programs for the purpose of
783 documenting their operations and developing recommendations to improve their

¹ Potential definitions are based on ACEEE definitions available at <http://aceee.org/topics/efficiency-potential-and-market-analysis>.

784 effectiveness. This evaluation can be useful for both bottom-up and top-down
785 planning.

786 • *Market Characterization or Assessment* refers to the systematic assessment of energy
787 efficiency markets for the purpose of improving the effectiveness of programs
788 targeting those markets. These types of evaluation studies are most often used to
789 guide implementation strategy. For example, the results from a market evaluation
790 study may help the PAs understand that the market for certain technologies is
791 saturated and that the PAs need to plan to incentivize newer technologies to meet the
792 needs of an evolving market. Again, this evaluation can be useful for both bottom-up
793 and top-down planning.

794 • *Evaluation of Pilots* refers to EM&V activities intended to assess the effectiveness of
795 pilot programs and demonstration projects, determine their potential for full-scale
796 implementation, and develop recommendations for any changes in program approach.

797 In advance of the 2016-2018 Plan, the PAs completed 25 new studies, in addition
798 to other studies that have been filed in previous Plan-Year Reports. These new studies
799 include a wide range of evaluation topics in the residential, low-income, C&I, and cross-
800 sector evaluation areas. A summary of each of these studies is included in the Plan at
801 Exhibit 1, Appendix T, and the full set of studies is available at Exhibit 1, Appendix U.

802 **Cost Drivers**

803 A final step in goal setting is to assess the cost impact of the programs in support of
804 “right sizing” proposed budgets. The Program Administrators’ statewide energy
805 efficiency programs have evolved significantly since the development of the first Three-
806 Year Plan in 2009. In part as a result of their success, the Program Administrators are
807 currently facing a new series of challenges – changes in projected program costs and the
808 hurdles associated with achieving historically high savings levels on a sustained basis
809 after having already had notable success in penetrating markets.

810 To address these challenges and deliver the most cost-effective energy efficiency
811 programs to their gas and electric customers, the Program Administrators seek to develop

812 a thorough understanding of current and future cost drivers and savings levels for their
813 proposed energy efficiency programs. Each Program Administrator is affected
814 differently by each cost driver, and variations in savings goals and the cost to achieve
815 these goals are to be expected due to unique characteristics in service territories.
816 Building demographics, income types, fuel type, economic conditions, and population
817 demographics vary widely across each PA's service territory and influence how each PA
818 plans to set and achieve its goals.

819 From 2009-2011, the cost to achieve savings for electric energy efficiency
820 programs throughout the state was trending down.² During that same period, the cost to
821 achieve savings for gas programs was trending upwards. From 2012-2014, the cost to
822 achieve savings for electric and gas energy efficiency programs throughout the state has
823 been relatively stable with a modest increase for gas programs. The PAs project the cost
824 trend for 2016-2018 will be upwards.³ This trend reflects continued market penetration
825 and the expectation that savings per participant are expected to decline. That means that
826 although the number of customers to be served in 2016-2018 is likely to be greater than
827 the number served in 2013-2015, the average savings per participant will be lower in
828 2016-2018 when compared to 2013-2015. These trends are also influenced by increasing

² The PAs note that the costs and savings of large, one-time projects can skew the historical costs to achieve savings, often making the costs appear lower than the average. Because large projects are not typical or replicable, they should not be included in the planning process to estimate budgets or savings, or when calculating costs to achieve savings, without careful analysis and appropriate adjustments. For example, some PAs had large CHP projects in 2011, making the cost per kWh appear to decrease in 2011 compared to previous years. When excluded, however, costs were relatively flat.

³ "Cost to achieve" is typically discussed in terms of net savings. Net to gross factors are only updated at the beginning of a three-year term and their impact may therefore be more pronounced when looking at differences between two different Three-Year Plans.

829 costs due to a shift to a more expensive measure mix (*e.g.*, moving from rebating
830 inexpensive CFLs to more expensive LEDs), by decreasing levels of savings due to
831 changes in codes and standards, and by impact evaluation findings that have caused the
832 PAs to temper their expectations about savings achievable in some initiatives. Additional
833 details on key cost driver considerations include the following:

- 834 • *Codes and Standards* – As federal and state codes and standards become increasingly
835 rigorous, the amount of incremental savings from installing energy efficiency
836 measures decreases (unless the efficiency of the program measures rise as well). This
837 decrease in savings results in a higher cost per unit of savings. Codes and standards
838 that are posing a pronounced challenge to program savings include EISA lighting
839 standards, federal water heater standards, a new 2015 User Defined Reference Home,
840 adoption of the 2015 International Energy Conservation Code for new building
841 construction and renovation, and federal heat pump standards, all of which raise
842 baselines and reduce the savings the PAs can claim.
- 843 • *Going Deeper and Broader* – Another factor that is impacting the cost to achieve in
844 this Plan is the need for new approaches to drive customer participation. As certain
845 programs begin to saturate markets, PAs must find ways to encourage participation in
846 more difficult, and often more expensive to reach, markets. New approaches for
847 2016-2018 include enhanced focus on encouraging renters to participate in the HES
848 core initiatives, offering augmented incentives to consumers whose income is 61-80
849 percent of the statewide median, planning for weatherization jobs for oil-heated
850 multi-family participants in the Residential Whole House program and the Low-
851 Income Whole House program, which can lead to an increase in benefits for electric
852 PAs (but do not increase electric savings).
- 853 • *Cost-Effectiveness Limitations* – The 2015 Avoided Energy Supply Costs in New
854 England: 2015 Report found that with declining natural gas prices, the benefit of gas
855 savings was reduced throughout the Commonwealth. Lower benefits can make it
856 more challenging for measures to be cost-effective; as a result, some measures, and
857 even entire initiatives, may have to be discontinued to retain program cost-
858 effectiveness. The result is that PAs have fewer options available to them to attain
859 savings, and this reduction in flexibility and program reach increases the cost to
860 achieve savings.
- 861 • *Low-Income Funding* – Historically, the Program Administrators have partnered with
862 the Community Action Agencies that receive funding from the federal Weatherization
863 Assistance Program (“WAP”) to deliver programs to income-eligible customers.
864 Going forward, however, the availability of WAP funding will be sharply reduced

865 due to national program cuts, and the Program Administrators will need to fund a
866 greater portion of each project when providing services to this important sector.

- 867 • *Unique Service Area Drivers* – Despite consistent program offerings, some variations
868 among PAs in savings goals and costs to achieve are appropriate due to the unique
869 characteristics of each PA’s service territory and the goal of fostering creativity
870 among PAs. Each PA has a distinct mix of customers and sectors, which affects
871 energy efficiency programs in different ways. Each PA has unique demographics,
872 with different mixes of building types, income types, fuel types, fuel constraints,
873 economic conditions, and population density. Reasonable variances among PAs are
874 appropriate, consistent with sound regulatory policy, the GCA, and previous
875 recognition of PA differences.

876 **Conclusion**

877 The development of the proposed statewide and Program Administrator-specific savings
878 goals involved a detailed review of energy efficiency opportunities and costs from all
879 angles. This analysis included a bottom-up approach to assess savings opportunities by
880 measure, a top-down look at savings potential and costs, consideration of evaluation
881 study findings and other market changes, and statewide policy objectives. Additionally,
882 development of goals for 2016-2018 was influenced by collaborative discussions with
883 EEA, the DOER, the Attorney General, and the Council’s consultants to better
884 understand key savings and cost drivers across the Commonwealth, taking into account
885 sustainability of delivery efforts and bill impacts. Using all of these methods, the
886 Program Administrators were able to develop and determine savings goals to achieve all
887 available cost-effective energy efficiency that have ultimately received the approval and
888 support of the Council. See Exhibit Compact-1, Appendix I.

889 **Potential Studies**

890 In the Department’s Order in the 2013-2015 Plan proceeding, the Department directed
891 “[t]he Program Administrators with an aggregate three-year savings goal of greater than

892 20 percent below the statewide three-year aggregate goal [to] conduct a study, either
893 jointly or individually, during the upcoming three-year term to document the penetration
894 of energy efficiency within its service territory and the remaining cost-effective energy
895 efficiency opportunities available.” 2013-2015 Energy Efficiency Plans, D.P.U. 12-100
896 through D.P.U. 12-111 at 18-19, 40 (2013). In compliance with this directive from the
897 Department, the Berkshire Gas Company, Liberty Utilities, Unitil, and the Cape Light
898 Compact each completed an assessment of the penetration of energy efficiency in their
899 respective service territories and then used the results of that analysis to inform proposed
900 savings goals and budgets in 2016-2018. In addition, although not directed by the
901 Department to complete a potential study, National Grid completed an assessment of the
902 remaining achievable electric and gas savings that could be secured in the C&I sector to
903 help it to propose appropriate goals in that sector.

904 Please refer to Section IV, Potential Study, *supra*, for a description of the results
905 of the Compact’s Potential Study. The full study is provided as Appendix M to Exhibit
906 Compact-1.

907 **Q. Please discuss how the Program Administrators use the information requested by**
908 **the Department in Question 3 of its Additional Filing Requirements Memo (related**
909 **to market sector participation, new and repeat customers, customers participating**
910 **in multiple core initiatives, HEAT Loan participation, HES and C&I Direct Install**
911 **close rates, and HES oil heating participants) and other information to address**
912 **participation barriers and achieve deeper participant savings.**

913 A. The PAs use a variety of data sources to evaluate program participation, address
914 participation barriers, and achieve deeper participant savings. The PAs, however, do not
915 use the data in the form expressly as requested in Question 3 of the Department's
916 Additional Filing Requirements to evaluate or project program participation. Valuable
917 sources of information for participant data are the Residential and C&I Customer Profile
918 Studies that the Program Administrators completed in advance of the 2016-2018 Plan.
919 See Exhibit Compact-1, Appendix U, Study 9; 2014 Energy Efficiency Plan-Year
920 Reports, D.P.U. 15-49, Appendix 4D, Study 14-25.⁴ The Residential and C&I Customer
921 Profile Studies, expected to be completed annually going forward, analyze the PAs'
922 billing and tracking data to provide greater insights into the population and participation
923 trends characterizing the PAs' energy efficiency programs in the Commonwealth. The
924 PAs have used these studies to understand participation and to respond to certain requests
925 for information in the Department's Additional Filing Requirements memorandum.

926 The Residential and C&I Customer Profile Studies were designed to help
927 streamline and gain insight into the impact that energy efficiency programs are having in
928 Massachusetts across all PAs, electric and gas, in a holistic way. The advantage of this
929 aggregated method is the ability to view data for the Commonwealth as a whole. This
930 study can be used in conjunction with other, more PA-specific segmentation and
931 customer strategies to help understand participation and design programs and "go to
932 market" strategies to achieve to greater energy savings and increase program

⁴ The C&I Customer Profile Study for 2014 is currently underway.

933 participation. One primary drawback of these studies, however, is that (like other
934 evaluations), there is a time lag between participation and when data analysis is available.
935 The C&I Customer Profile Study includes preliminary results for 2013 and 2014, while
936 the Residential Customer Profile Study includes preliminary results for 2013.

937 The PAs expect to continue work on customer profile studies during the Plan term
938 in order to continue gaining insight into the PAs' customers and their participation in the
939 programs. The profile studies provide many distinct insights that allow PAs to:

- 940 • *Examine changes over time.* While the first Residential Profile study has recently
941 been completed, the C&I Evaluation Database, prepared to support the C&I Profile
942 Study, is populated with four years of consistent, standardized PA billing and tracking
943 data. This data is updated and cleaned each year to support reliable, up-to-date
944 comparisons of program participation and savings over time (*e.g.*, savings achieved
945 by the Healthcare segment between 2011 and 2014).
- 946 • *Ensure confidentiality.* The annual Customer Profile Studies, performed by third-
947 party contractors, preserve PAs' customer confidentiality utilizing robust IT system
948 controls, while allowing PAs to evaluate how their standardized data compares to the
949 standardized data for other PAs and the state as a whole.
- 950 • *Pinpoint savings opportunities.* PAs plan to supplement billing and tracking data is
951 supplemented with GIS libraries and tax assessor data to identify and target specific
952 areas and customers with high savings potential. For example, Figure 2 from the
953 2014 C&I Customer Profile study shows that the Accommodation and Food Service
954 sector had consistently higher energy use intensities ("EUIs") on Cape Cod than in
955 any other region of Massachusetts. See 2014 Energy Efficiency Plan-Year Reports,
956 D.P.U. 15-49, Appendix 4D, Study 14-25. This may represent an opportunity for
957 account-level targeting for efficiency measures, or a more blanket marketing push.
- 958 • *Efficiently identify and analyze research questions.* The annual Customer Profile
959 Studies identify key researchable questions for subsequent study, and the C&I
960 Evaluation Database provides a common collection and storage point for data that can
961 be leveraged across all non-residential evaluation activities, including impact
962 evaluations, market assessments, and process evaluations. Using a common data
963 source also ensures consistency and comparability across studies.

964 **Market Sector Participation Rates**

965 The Customer Profile Studies are used to help improve PAs' understanding of markets,
966 including the C&I markets. Evaluation, such as the Customer Profile Studies, is used to
967 enhance the implementation process. Through implementation, PAs address participant
968 barriers and formulate strategies to obtain deeper and broader savings. PAs employ
969 implementation strategies that are specific to their service territory and size. Many of
970 these strategies in C&I are based on customer engagement; Program Administrators have
971 developed relationships over time with customers, and engage directly with those
972 customers to learn about barriers and provide solutions. Thus, while quantitative data
973 such as market segment participation rates help PAs see trends and find areas on which to
974 focus, PAs use qualitative work with customer engagement and implementation strategies
975 to address participation barriers and achieve deeper participant savings.

976 **New and Repeat Customers**

977 For the majority of core initiatives, the PAs do not use the data requested by the
978 Department on new and repeat customers to address participation barriers or achieve
979 deeper savings. Rather, the PAs address these barriers and goals through program design
980 strategies. In the residential sector, the programs are designed to address participation
981 barriers and achieve deeper savings by offering assessments at no cost to the customer,
982 installing instant savings measures, offering special incentives to help customers
983 overcome low-cost pre-weatherization barriers, incentivizing comprehensive
984 weatherization opportunities, and offering interest-free financing. The goal of these
985 initiatives is to realize deep savings per participant in as few visits to a customer's home
986 as possible, as it is costly to pay for repeat assessments, with diminishing returns on

987 savings opportunities. The data provided does show a low percentage of repeat
988 customers during the term. Most repeat participation in the residential direct install
989 programs shown in the data tables is caused by participation that crosses over from one
990 year to the next, when assessments and installations do not occur in the same calendar
991 year.

992 The upstream programs are designed to have a broader reach and higher
993 participation rates, as well as greater repeat participation in a core initiative, such as
994 Residential Lighting. Because this core initiative is upstream and not tied to accounts,
995 however, the PAs can only estimate, through the use of evaluation studies, the number of
996 repeat customers.

997 As shown in the tables in response to questions 3b and 3c, the bulk of repeat
998 participation occurs in the C&I sector, which is based on strategic planning with
999 customers. These customers represent large portions of overall sales, and they typically
1000 are large enough to engage in multi-year or multi-phased projects. This PAs have found
1001 that in order to maintain high level sustainable energy savings on a portfolio basis, these
1002 customers must be engaged on a consistent basis. At the same time, as the customer
1003 spends dollars installing energy efficiency, the cost rises while the opportunity diminishes
1004 over time. Therefore, holding technological innovation constant, the all cost-effective
1005 savings opportunity will decline as the potential for high-savings projects with large
1006 repeat customers declines. In addition to very large customers, more moderately sized
1007 C&I customers may repeat participation as they may address one end use at a time in a
1008 facility, e.g., HVAC in year one and lighting in year two.

1009 **Customers Participating in Multiple Core Initiatives**

1010 In the Residential and Low-Income Whole House programs, comprehensive core
1011 initiatives are designed to treat different market segments and customer classes (*e.g.*,
1012 single or multi-family, new construction or retrofit), and therefore do not lend themselves
1013 to participation across multiple core initiatives. Customers participating in Whole House
1014 may also participate in one of the Residential Products program core initiatives, but many
1015 of these rebates (such as Residential Lighting) are offered upstream and are not tied to
1016 specific accounts, making it difficult to quantify the percentage of customers participating
1017 in multiple initiatives. Due to these reasons, the PAs do not use this data to address
1018 residential participation barriers and achieve deeper savings and cannot accurately
1019 calculate it where upstream initiatives are included.

1020 While the Program Administrators did not expressly use the data requested on
1021 customers participating in multiple core initiatives to address participation barriers, PAs
1022 are constantly using information from evaluation studies, feedback from stakeholders,
1023 customers, and vendors to improve program offerings. Examples of additional
1024 enhancements and strategic targeted approaches included in this Plan are new efforts
1025 geared toward renters and moderate income customers, described further in Section
1026 III.E.3 and III.E.5 of this Plan.

1027 C&I customers are more likely to participate across C&I core initiatives, but the
1028 PAs do not focus on this data to address participation barriers. This is because both the
1029 customer and the PA are focused on ensuring that the customer has the opportunity to
1030 explore all cost-effective energy efficiency projects at the facility, using whichever core

1031 initiatives are appropriate for that customer. Due to the broad range of projects available
1032 to a single customer under a single C&I core initiative, participation in one core initiative
1033 is not a good indicator that the customer has exhausted options to participate further in
1034 that core initiative, or that they are necessarily a good candidate to participate in a
1035 different core initiative. Participation in one core initiative does not provide the PA or
1036 the customer insight into other opportunities at the facility; insight is gained primarily
1037 through PA-customer engagement, where PAs learn about the customer needs, including
1038 which initiatives the customer has already pursued projects in, and what opportunities are
1039 still available.

1040 **HEAT Loan Participation Rate**

1041 HEAT Loan is an important tool that the PAs offer to overcome a barrier that some
1042 residential customers may face in investing in energy efficiency improvements. The
1043 financing of nearly \$300 million of HEAT Loans to residential customers has been one of
1044 the critical steps in achieving a higher adoption of deeper saving measures in the PA
1045 programs. Thus, while the PAs do not typically use the calculations requested by the
1046 Department for planning purposes (such as addressing participation barriers and
1047 achieving deeper savings), HEAT Loan is a critical piece to the residential portfolio's
1048 planning process. PAs analyze historical expenditures on HEAT Loan, along with
1049 expected changes in the number and cost of eligible measures and participants, as the
1050 primary considerations for planning purposes. The HEAT Loan expenditures exceeded
1051 expectations in 2013-2015; based on these high levels of uptake, many PAs submitted
1052 Mid-Term Modifications to continue this popular offering. For 2016-2018, the PAs have

1053 been able to forecast with greater precision given five years of historical data, providing a
1054 better sense of demand for HEAT Loan.

1055 The PAs also rely on evaluation results to help them in planning. The Home
1056 Energy Services Initiative and HEAT Loan Delivery Assessment, completed in July
1057 2015, demonstrated the popularity and effectiveness of the HEAT Loan financing option.
1058 This evaluation noted that 83 percent of respondents that received a HEAT Loan were
1059 “Very Satisfied” with it. For those customers that financed a measure with the HEAT
1060 Loan, the HEAT Loan was identified as the most influential factor in the decision making
1061 process. These types of evaluation results show that HEAT Loan is effective at helping
1062 PAs to address customer financing barriers and achieve energy savings.

1063 **Home Energy Services and C&I Direct Install Close Rates**

1064 Customer participation in the Home Energy Services core initiative has been very robust,
1065 and is expected to continue to be a successful offering in 2016-2018. The percent of
1066 customers installing insulation and air-sealing has also continued to increase each year.
1067 This is due to a multitude of strategies undertaken by the PAs to address participation
1068 barriers and achieve deeper participant savings.

1069 While the PAs have long offered generous incentives, interest-free financing, and
1070 targeted customer follow up to achieve deeper participant savings, over the past three
1071 years the PAs undertook additional efforts to understand and address more niche markets.
1072 Those strategies include a pre-weatherization barrier remediation incentive for the three
1073 most common physical barriers and the Efficient Neighborhoods+[®] initiative to address
1074 moderate income and renter landlord barriers. The PAs will continue to offer the pre-

1075 weatherization barrier incentives in 2016-2018. Based on the lessons learned from
1076 Efficient Neighborhoods+[®], the PAs have developed a new enhanced offering for
1077 moderate income customers in 2016-2018 to address participation barriers and achieve
1078 deeper savings.

1079 In addition to the strategies mentioned above, the PAs have also taken into
1080 account customer response to volatile electric rates in the winter and the effect of severe
1081 weather in recent years. These circumstances have contributed to increasing demand for
1082 residential energy efficiency services, which the PAs have, and will continue to, respond
1083 to in order to achieve greater participant savings.

1084 Regarding the C&I Direct Install core initiative, the PAs have substantial
1085 experience in serving this customer group, as they have been offering the C&I Direct
1086 Install core initiative in various forms for over two decades. The PAs do not look at
1087 project measures installed versus measures proposed for planning purposes. Instead, to
1088 increase participation and per-customer savings, the PAs seek segment-specific
1089 opportunities, review city or town small business participation rates, and study
1090 technological penetration rates when planning new initiatives targeted at small
1091 businesses.

1092 **HES Oil Heating Participants**

1093 The electric PAs offer fuel-blind energy efficiency services to customers in homes with
1094 1-4 units through the HES core initiative, including customers who heat with oil. The
1095 PAs do not use the data requested in this question regarding percentage of HES oil
1096 heating participants receiving either weatherization or heating system upgrades to address

1097 participation barriers or achieve deeper savings. Increasing participation among all
1098 customers, including those who heat with oil, is a focus of PA efforts through its fuel
1099 blind programs.

1100 One example of PA programs that reach oil heating customers is the early heating
1101 system replacement initiative, which has been a highly successful offering for customers
1102 who heat with oil. This initiative has historically been promoted as a limited time offer
1103 and encourages customers with functioning oil boilers 30 years or older and oil furnaces
1104 12 years or older to replace that equipment with energy efficient alternatives. Customers
1105 are offered enhanced incentives for replacing these systems prior to failure. This
1106 initiative has attracted over 4,000 oil heat participants to date, despite it being a limited
1107 time offer.

1108 Standard oil heating and hot water system rebates and rebate forms are on the
1109 Mass Save website, and customers may apply for their rebates online without a home
1110 energy assessment. The success of current fuel blind programs among participants in
1111 HES has helped the PAs to estimate fuel-blind planning values for participants in the
1112 multi-family core initiative in the 2016-2018 Plan term.

1113 **Q. Describe how the Program Administrators intend to engage outside organizations**
1114 **(e.g., trade allies and community organizations) to enhance program delivery during**
1115 **the 2016-2018 term. Provide examples of outside organizations that may be so**
1116 **engaged.**

1117 A. Program Administrators recognize that the effective delivery of energy efficiency
1118 programs is highly dependent on building confidence among customers, as well as an

1119 extensive network of service providers. The programs and services offered by the PAs
1120 represent wise investments – investments that contribute positively to the well-being of
1121 homes, businesses and communities. In 2016-2018, the PAs plan to continue building on
1122 the successful relationships they have fostered with a diverse network of outside
1123 organizations in order to communicate the many benefits of saving energy.

1124 In the residential programs, the PAs engage with local trade allies, municipalities,
1125 community organizations and other appropriate and highly visible outside organizations
1126 to deliver information about program opportunities, and to target specific customer
1127 segments. PAs establish these relationships, both on a statewide-level and as individual
1128 entities working within their communities, to ensure the visibility and successes of their
1129 programs.

- 1130 • *Trade allies:* PAs partner with local trade allies such as the Building Performance
1131 Institute (“BPI”), Northeast HERS Alliance, Southern Middlesex Opportunity
1132 Council’s (“SMOC”) Green Jobs Academy, Plumbing – Heating – Cooling
1133 Contractors Association (“PHCC”), International Association of Plumbing and
1134 Mechanical Officials (“IAPMO”) and Air Conditioning Contractors of America
1135 (“ACCA”). PAs communicate with these trade allies by hosting, attending, and
1136 presenting at trade ally conferences and events, through the distribution of direct
1137 emails and newsletters, by advertising in trade publications, and through direct
1138 conversations with PA program managers and/or service delivery vendors. For
1139 example, the PAs’ annual GasNetworks® conference attracts hundreds of trade allies
1140 from the heating and cooling industry; the 2015 GasNetworks Conference was
1141 attended by nearly 400 contractors and industry representatives.
- 1142 • *Municipalities:* As a municipal aggregator the Compact works closely with its
1143 member towns and counties to target municipal specific energy efficiency initiatives
1144 (i.e. LED streetlight retrofit) and to develop community based outreach efforts. The
1145 PAs also actively collaborate with municipalities for geographic specific efforts such
1146 as Renew Boston, various municipal-specific Memoranda of Understanding and grant
1147 programs, the Nantucket Non-Wires Alternative effort, and partnerships with city and
1148 town planning boards and redevelopment authorities.

1149 • *Community organizations and other appropriate outside organization collaborations:*
1150 PAs collaborate with community organizations to ensure energy efficiency is being
1151 talked about where people gather during the normal occurrences of their daily lives.
1152 The community action agencies that administer the PAs' income-eligible energy
1153 efficiency programs work with multiple community organizations to create
1154 partnerships to ensure the success of programming for low-income families. The
1155 specific organizations from town-to-town vary; however, typical alliances include the
1156 local United Way, Goodwill, Salvation Army, veteran's groups, school districts, fuel
1157 assistance providers, civic associations, food pantries, shelters, and community
1158 development corporations. Community action agencies, by nature, engage local
1159 resources to increase awareness to qualifying members of their communities of the
1160 various program offerings inclusive of the PAs' income eligible programs.
1161 Additionally, each year the PAs participate in statewide social service agency
1162 meetings, typically held in October, to present to several hundred social service
1163 providers to inform them of program offerings.

1164 The residential education fundraisers held in dozens of Massachusetts public and
1165 private schools each year help schools raise funds while teaching students about energy
1166 efficiency and conservation. Schools receive free educational materials, hands on
1167 demonstrations, and support from fundraising coordinators. PAs also answer the needs of
1168 their local schools in additional ways, such as in-classroom educational opportunities that
1169 educate students on saving energy while promoting the programs to parents.

1170 The PAs also attend and/or sponsor events relevant to their individual
1171 communities in an effort to educate people on the programs and energy efficiency in
1172 general. Examples include collaborations with local farmer's markets, community
1173 centers, civic associations, hospitals, fire-stations, Earth Day and sustainability
1174 celebrations, city and county fairs, seasonal festivals, home shows, real estate
1175 organizations, media outlets, colleges and universities, hazardous waste/appliance turn in
1176 events, and youth baseball teams.

1177 In the commercial programs, the PAs have found that delivery is enhanced when
1178 they partner with a variety of organizations that serve, and are respected by, various
1179 business sectors. For example, the PAs have partnered with the Massachusetts Lodging
1180 Association to promote LED room and common area lighting, and the Massachusetts
1181 Bankers Association to promote financing for efficiency programs. A listing of the
1182 organizations where the PAs have engaged members, either through training and
1183 education or joint promotions, in recent years includes BOMA/Boston, the Greater
1184 Boston Real Estate Board, the Boston Green Ribbon Commission, Boston Green
1185 Tourism, the International Facility Management Association (“IFMA”), Boston Chapter,
1186 Massachusetts Restaurant Association, Municipal Solid-State Street Lighting Consortium
1187 (“MSSSLC”), and the Northeast Sustainable Energy Association (“NESEA”).

1188 In addition, PAs constantly engage in outreach to local community business
1189 groups – chambers of commerce, downtown business alliances, and local economic
1190 development and revitalization organizations – to advise them of programs and services
1191 available to their constituencies. For more information on C&I engagement strategies,
1192 please see the section titled “Education and Training for Customers, Trade Allies, and PA
1193 Staff and Contractors” in the C&I Retrofit program description in Section III of the Plan.

1194 **Q. Describe how the Program Administrators intend to overcome barriers to serve**
1195 **hard-to-reach/underserved communities during the 2016-2018 term.**

1196 A. Program Administrators will continue their efforts to develop marketing and program
1197 designs that effectively engage all customers and remove barriers to participation in
1198 energy efficiency programs. PAs recognize that residential renters, low and moderate

1199 income customers and customers whose primary language is not English may have
1200 unique needs when accessing program offerings. Within the C&I programs, small
1201 businesses may face barriers similar to residential customers and have therefore been a
1202 focus of the C&I program and marketing efforts to ensure their ability to access energy
1203 efficiency offerings.

1204 PAs implemented many program enhancements in the 2013-2015 Three-Year
1205 Plan. Evaluations and studies have provided the PAs with information on how these
1206 developments, as well as proposed new program enhancements, can better reach these
1207 market segments for the 2016-2018 Plan. The Residential Barriers Working Group final
1208 report and the Efficient Neighborhoods^{+®} Evaluation and Incremental Cost Assessment
1209 reports, were critical in helping PAs shape the residential enhancements included in the
1210 2016-2018 Plan. These enhancements include an innovative new renter-specific offer, a
1211 whole building incentive targeted to two-to-four-unit buildings, a moderate income
1212 enhanced incentive, maintaining pre-weatherization barrier incentives, enhancing the
1213 online energy assessment to allow for targeting renter populations, translation to other
1214 languages various Mass Save[®] marketing materials including the Mass Save website, and
1215 continued collaboration with Community Action (“CAP”) Agencies.

1216 **Renter Offer and Whole Building Incentive**

1217 The PAs will offer a program enhancement that provides effective screening and
1218 direction of renters to a specially designed home visit that is tailored to renter
1219 opportunities and constraints. The Efficient Neighborhoods^{+®} evaluation and discussion

1220 during the Council workshops highlighted the need to develop more creative and targeted
1221 methods to engage renters.

1222 By virtue of the fact that they do not own the property, renters are unable to
1223 commit to the more significant weatherization upgrades that are the primary target of the
1224 HEA and may feel challenged to begin a process that may require negotiation with their
1225 landlord. PAs have designed a path to support renter participation with a renter-specific
1226 visit beginning in Q1 2016. The renter path provides mechanisms for customers to be
1227 screened through the call center or enter through the updated renter path of the online
1228 audit tool. All intake efforts will continue to facilitate full HEAs and support
1229 collaboration between landlords and tenants to move to whole-building weatherization.

1230 The new renter entry paths will allow renters for whom a traditional HEA may not
1231 be appropriate to schedule a renter visit. The renter visit will focus on installation of
1232 instant savings measures such as LED bulbs, advanced power strips, and water-saving
1233 devices, and will inform the customer of other appropriate energy saving opportunities
1234 for renters. The renter visit will include high level screening for deeper measures, and
1235 follow up with landlords and other interested tenants where possible. A Whole Building
1236 Incentive will be offered in parallel to encourage landlords to participate. This ensures
1237 that renters have access to the maximum savings opportunities with the minimum of
1238 barriers to participation.

1239 PAs see the potential for a well-designed renter visit to encourage participation of
1240 renters and landlords in all HES offerings. The renter visit will allow for the collection of
1241 key information to help PAs follow up with landlords. It also will provide renters with a

1242 positive experience of Mass Save, potentially helping to build support from tenants to
1243 engage their fellow tenants and landlords to secure savings. Renter satisfaction may also
1244 help overcome perception barriers for some landlords about the difficulty of engaging
1245 their tenants. The renter visit is detailed under the HES initiative description. The PAs
1246 will launch the effort in Q1 2016 and closely monitor, review, and refine it over the Plan
1247 period to ensure that it succeeds in securing additional savings. The PAs believe the
1248 renter visit shows real promise and can present another opportunity for Massachusetts to
1249 be at the forefront of national efficiency program design.

1250 **Moderate Income Offer**

1251 The Council workshops and resolution helped to crystalize the need for support to
1252 overcome affordability barriers of moderate income customers, particularly those
1253 moderate income customers who fall just above the low-income eligibility cut off. The
1254 Efficient Neighborhoods^{+®} evaluation and incremental cost assessment reports
1255 demonstrated that a proxy method of geographic targeting of moderate income
1256 customers, paired with targeted outreach, has a very high cost-per-opportunity-secured.
1257 PAs embraced this learning and designed their approach to support moderate income
1258 customers within the HES core initiative. The moderate income enhancements described
1259 here eliminate the significant marketing and administrative expenses and the potential for
1260 customer confusion associated with specialized or boutique offerings, and allow the PAs
1261 to fully leverage the powerful Mass Save brand awareness and marketing program to
1262 support customer participation. Most critically, PAs can ensure that all moderate income

1263 customers across the Commonwealth, regardless of the community they reside in, will
1264 have equal access to the enhanced incentives.

1265 In the 2016-2018 Plan, the HES initiative includes enhanced incentives for
1266 moderate income customers. Participant eligibility is set at 61-80 percent of State Median
1267 Income, targeting moderate income customers with the greatest affordability barriers and
1268 providing a continuum of service from the low-income program to HES. The initial
1269 enhanced incentive is anticipated to apply to insulation, covering 90 percent of costs up
1270 to \$3000. PAs will explore additional enhanced incentives, potentially including targeted
1271 appliance rebates and pre-weatherization barrier remediation that may be appropriate for
1272 qualifying customers.

1273 There will be two very simple paths to participation: a) through the low-income
1274 program- when a customer's income exceeds eligibility for low-income weatherization
1275 and fuel assistance; or b) through HES, when a customer self-identifies as moderate
1276 income and voluntarily undergoes income verification. This approach leverages two
1277 well-established program entry points, ensures that customers remain in control of the
1278 process, and targets additional financial support to enable them to realize energy
1279 efficiency opportunities. PAs will work closely with LEAN and the low-income vendors
1280 to ensure that customers falling into this income band are served effectively. Customers
1281 who seek low-income services, but are determined by the low-income program to be
1282 above the qualification limit and determined to be 61-80 percent SMI, will be able to use
1283 the low-income determination to qualify for the moderate income incentive.

1284 HES customers are provided with information regarding the enhanced moderate
1285 income incentives during the HEA, after weatherization opportunities have been
1286 identified. This is the same point in the process where the energy specialist provides
1287 customers with information on the eligible incentives and financing, and provides support
1288 to help customers take any remaining steps to move forward with weatherization.
1289 Customers with affordability barriers can opt-in to be “qualified” for the moderate
1290 income incentive. This will also provide an extra layer of review to ensure that
1291 participants who may not realize they are eligible for the low-income program and enter
1292 through HES will be identified and can be appropriately directed to the low-income
1293 program.

1294 The PAs will launch the effort in Q1 2016 and closely monitor, review, and refine
1295 their strategy over the Plan period to ensure it succeeds in offering access for moderate
1296 income customers to secure savings. The moderate income offer is detailed under the
1297 HES core initiative description in the Plan.

1298 **Additional Efforts to Reach Hard-To-Reach Residential Customers**

- 1299 • *Pre-weatherization Barriers* - The Residential Barriers Working Group helped to
1300 identify knob and tube wiring concerns, combustion safety, and dryer venting issues
1301 that had been barriers to some customers moving forward with weatherization work.
1302 PAs designed and tested pre-weatherization incentives to eliminate these low-cost
1303 barriers. An incentive for a knob and tube wiring evaluation was designed for those
1304 customers who want to confirm that their wiring is not live so they can proceed with
1305 the recommended insulation measures instead of mitigating live wiring, which can be
1306 extremely costly. Incentives were also designed for customers to correct combustion
1307 safety and dryer vent safety issues. Based upon evaluation, the PAs chose to allow
1308 customers to use a pre-weatherization incentive to address up to three of these
1309 barriers, which would greatly increase the likelihood that recommended
1310 weatherization improvements could be completed. PAs began to offer the pre-

1311 weatherization incentive as a standard offer in the second quarter of 2013 and will
1312 continue to offer the incentive through the 2016-2018 Plan period.

1313 • *Partnerships with CAP Agencies* - PAs contract with local CAP agencies to
1314 implement the income eligible energy efficiency programs. Over the years of this
1315 collaboration, the PAs have developed effective partnerships with CAP agencies,
1316 which help PAs connect to traditionally hard to reach communities. The CAP
1317 agencies are well organized and located throughout the Commonwealth. CAP
1318 agencies engage in outreach and provide an array of services specifically targeted for
1319 low and moderate income families, including the income eligible and residential
1320 energy efficiency programs, the Low Income Home Energy Assistance Program
1321 (“LIHEAP”), and the Heating Emergency Assistance Retrofit Task Weatherization
1322 Assistance Program (“HEARTWAP”) programs. CAP agencies benefit from
1323 connection and oversight by Massachusetts Department of Housing and Community
1324 Development (“DHCD”), which helps to ensure smooth integration with the array of
1325 housing related support services targeted to these communities.

1326 • *Non-English Speaking Populations* - CAP agencies have set up strong systems to
1327 support the non-English language communities they serve. Local CAP agencies
1328 utilize resources within each geographic area to make sure linguistic minority
1329 populations are aware of resources and available programs. The PAs have supported
1330 translation of a variety of income eligible educational documents for seven of the
1331 most popular non-English languages across the Commonwealth.

1332 Language can be a barrier even when income is not. In addition to the language
1333 efforts and connection to communities through CAP agencies, PAs continue to look
1334 to overcome language barriers for all customers. PAs have completed translation of
1335 the Mass Save website into Spanish and Portuguese. PAs will continue to roll out
1336 fully interactive versions of the website in the non-English languages spoken by large
1337 minorities in Massachusetts.

1338 **Small Business Customers**

1339 In the C&I sector, many of the hard-to-reach customers are small businesses, who often
1340 share the same barriers as residential customers. Small business customers are often
1341 lessees and may lack capital and the internal expertise to manage complex energy
1342 projects. The Small Business core initiative, often referred to as the direct install or
1343 turnkey program, is a PA offering designed to address each of those barriers. Since its
1344 inception 25 years ago, it has served over 50,000 customers in the Commonwealth. The

1345 initiative has been expanded and improved with an ever-increasing number of electric
1346 and gas measures, closer coordination among PAs, and specialized delivery modules such
1347 as the Main Street approach. It is generally regarded as the most successful program
1348 directed to the small business sector in in the country, and it has served as the template
1349 for dozens of imitators in other states and Canadian provinces.

1350 The PAs are determined to continue Massachusetts' leadership by reaching deeper
1351 into the small business market to serve the hardest to reach customers. To this end, the
1352 PAs have collectively embarked on a thorough review of every aspect of the program.
1353 This review will be informed by the results of a recent process evaluation and a survey of
1354 innovations in other small business programs nationally. PAs are considering the
1355 addition of more gas measures, better and more referral follow-up services for measures
1356 not amenable to the direct-install delivery model (such as thermal measures and heating
1357 systems, so that deeper treatments can be undertaken), further segmentation to reach the
1358 smallest of the small customers through web portals, self-service delivery concepts,
1359 refinement of the Main Streets or other geographically-focused delivery models,
1360 adaptation of successful residential delivery models such as HES, and more targeted
1361 marketing and measure mixes by business type.

1362 Examples of the tests currently underway or targeted to begin in 2016 include:

- 1363
- 1364 • Eversource will be working in the greater Boston area to test ways to increase
1365 efficiency in tenant space improvements. In this test, the initial audit will be done by
1366 a firm that is independent of the turnkey contractor, who will focus on comprehensive
1367 recommendations, with particular focus on lighting controls. Incentives are to be
delivered through the usual turnkey process.

1368 • In a second test, focused on Cambridge and Framingham, Eversource will focus on
1369 getting more customers to adopt controls-enabled retrofit kits and fixtures. Customer
1370 installation will include LED lighting retrofit kits or fixtures enabled with controls
1371 (daylight, dimming, occupancy sensors, etc.). Installation will be performed by
1372 product vendors. Customers will receive standard program incentives.

1373 • National Grid plans to experiment with the EnergySavvy platform as an online portal
1374 to guide small and medium businesses to the program offerings applicable to their
1375 business. EnergySavvy walks customers through a 5-10 minute online assessment
1376 whereby the customers learn what is available/applicable to them from the full C&I
1377 menu, and National Grid learns about the customers and their needs. This should
1378 allow for more efficient and targeted deployment of resources. The experiment will
1379 move from improved customer experience in the lead intake phase, to a greater
1380 awareness of the range of options available, to conversion of this customer interest
1381 into additional tangible projects and savings.

1382 • To better serve the smallest customers and niche customers, National Grid will also
1383 continue to experiment with variations of the “Main Street” delivery model.

1384 **Q. Describe the process for identifying and studying new non-energy impacts.**

1385 A. New non-energy impacts (“NEIs”) are identified through a variety of means. NEIs can
1386 be identified as the result of updated program designs, new measure offerings, research
1387 done in other jurisdictions, or from discussions at Residential and C&I Management
1388 Committees. The process for identifying which NEIs will be studied is primarily
1389 accomplished through two main channels:

- 1390 • Established planning cycles
- 1391 • Ad hoc research as necessary

1392 Similar to all other evaluation topics, new NEIs are prioritized for study through
1393 established planning cycles. This involves an inclusive stakeholder process that starts with
1394 an evaluation planning summit held by the PAs approximately every 18 months. Ideas for
1395 new NEIs, and the requisite studies necessary to quantify them, are proposed by PAs,
1396 Council’s consultants, or other interested stakeholders. Proposals for new NEI studies are

1397 reviewed by the Evaluation Management Committee, which includes PAs and the Council's
1398 EM&V expert. Once identified, evaluations related to new NEIs then proceed through the
1399 normal evaluation planning cycle, as described in the Strategic Evaluation Plan. See Exhibit
1400 Compact-1 at Appendix S.

1401 While the Strategic Evaluation Plan is an important guiding document, the PAs
1402 also maintain flexibility in evaluation planning to allow for the addition of studies during
1403 a cycle, including those related to NEIs, on an ad hoc basis if new circumstances occur.
1404 New NEIs may be identified as a result of programmatic changes or the addition of new
1405 energy efficiency measures. In that case, when new NEIs are identified, the PAs work
1406 with the Council's consultants and other interested stakeholders to determine the
1407 appropriate scope of study.

1408 **Q. Describe all new non-energy impacts that the Program Administrators anticipate**
1409 **studying during the 2016-2018 term.**

1410 A. The focus of the evaluation planning process in 2015, which culminated with the 2016-
1411 2018 Strategic Evaluation Plan, was to develop to a set of evaluation topics for the near
1412 term and a set of priorities to help guide research for the longer term. The PAs have
1413 identified several NEI research topics that will likely be studied during the near term.

1414 These areas include:

- 1415 • Health and Productivity Impacts
- 1416 • Market Rate Rental Properties
- 1417 • Water and Non-utility Fuel Impacts

1418 This is not an exhaustive list and the Strategic Evaluation Plan was not intended
1419 to include a comprehensive list of all the studies that will be completed during the 2016-
1420 2018 term. As mentioned above, the PAs deliberately retain the flexibility to study new
1421 evaluation, including NEI, topics as necessary. New measures and programmatic
1422 changes that generate new NEIs will likely occur during the 2016-2018 term and may
1423 lead to additional evaluation.

1424 **VII. CONCLUSION**

1425 **Q. Does this conclude your testimony?**

1426 A. Yes, it does.

**Guide to the Filing Requirements of
the Green Communities Act and D.P.U. 08-50-B
in the
Massachusetts Joint Statewide Three-Year Electric and Gas
Energy Efficiency Plan For January 1, 2016 - December 31, 2018**

	FILING REQUIREMENT	LOCATION
1.	Executive Summary	<u>Exhibit Compact-1 Section I</u>
2.	Table of Contents	<u>Exhibit Compact-1 Pages 2-7</u>
3.	Pre-Hearing Statement	<u>Pre-Hearing Statement</u>
4.	Tables	<i>See below</i>
	Funding sources, including a comparison of the Program Administrator’s funding to the statewide total, and funds from: (1) the system benefits charge; (2) Forward Capacity Market; (3) Regional Greenhouse Gas Initiative, (4) energy efficiency surcharge; (5) other funding, if available; and (6) prior year carryover	<u>Exhibit Compact-1 Sections VI.B, VIII.C</u> <u>Exhibit Compact-4 Compact-Specific Energy Efficiency Data Tables</u> <u>Exhibit Compact-9 Compact-Specific Analysis of Variances in Statewide Comparison Tables to be submitted on or about November 13, 2015</u>
	Program budgets, including: (1) a comparison of each Program Administrator’s budget to statewide total; and (2) a comparison of the Program Administrator’s Three-Year Plan budget to its previous year’s budget	<u>Exhibit Compact-1 Section VIII.C</u> <u>Exhibit Compact-4 Compact-Specific Energy Efficiency Data Tables, Tables IV.C.2.1, IV.C.2.2</u>
	Three-Year Plans, bill impacts	<u>Exhibit Compact-6 Bill Impact Analysis</u>

	FILING REQUIREMENT	LOCATION
	<p>Cost-effectiveness analyses, including: (1) a comparison of the Program Administrator’s costs, benefits, and savings to statewide totals; (2) a comparison of the Program Administrator’s Three-Year Plan costs, benefits, and savings to the previous program year; (3) an avoided costs factors summary; (4) a comparison of each Program Administrator’s distribution and transmission avoided costs factors; and (5) a comparison of the Program Administrator’s Three-Year Plan distribution and transmission avoided costs factors to its previous year’s plan</p>	<p><u>Exhibit Compact-1</u> Sections IV.G.3, VIII.C</p> <p><u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Tables IV.D.2.3, IV.D.3.1.iii, IV.D.3.2.ii</p>
	<p>Supporting information for D.P.U. 08-50 working group tables, specifically, IV.B.1; Table IV.B.3.1; Table IV.B.3.4; Table IV.D.3.1.i; Table IV.D.3.3.i; Table IV.I.2; Table V.B.1; Table VII.B.2, and Table IV.I.1; (The requested information is contained in the notes section of each table, as approved by the Department in D.P.U. 08-50-B.)</p>	<p><u>Exhibit Compact-1</u> Section VIII.C</p> <p>Table IV.B.3.1, Table IV.B.3.4, Table IV.D.3.1.i, Table IV.D.3.3.i, Table IV.I.2, Table IV.I.1</p>
	<p>Administrative cost information</p>	<p><u>Exhibit Compact-1</u> Section V.D</p> <p><u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Table IV.C.2.2.</p>
	<p>Three-Year Plan Monitoring and Evaluation</p>	<p><u>Exhibit Compact-1</u> Sections IV.E, VIII.S, VIII.T, VIII.U</p>
	<p>Performance incentives, including a narrative description</p>	<p><u>Exhibit Compact-1</u> Sections IV.C, VIII.R</p> <p><u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Table IV.H.1.</p>

	FILING REQUIREMENT	LOCATION
	Three-Year Plan Cost recovery-energy efficiency surcharge	<u>Exhibit Compact-1 Section VI</u> <u>Exhibit Compact-4 Compact-Specific Energy Efficiency Data Tables, Table IV.I.1.</u> Petition for Approval of Energy Efficiency Investment Plan during the Period January 1, 2016 through December 31, 2018
	Low-income budget allocation	<u>Exhibit Compact-1 Section V.C</u> <u>Exhibit Compact-4 Compact-Specific Energy Efficiency Data Tables, Tables IV.B.1., IV.C.1, V.B.1</u>
	Outsourced services, including: (1) a comparison of the Program Administrator’s planned outsourced services to statewide total; and (2) a comparison of outsourced services of the Program Administrator’s Three-Year Plan to its previous plan	<u>Exhibit Compact-4 Compact-Specific Energy Efficiency Data Tables, Tables V.C.1, V.D.1</u> <u>Exhibit Compact-9 Compact-Specific Analysis of Variances in Statewide Comparison Tables to be submitted on or about November 13, 2015</u>
	Master Summary	<u>Exhibit Compact-1 Section VIII.C</u> <u>Exhibit Compact-4 Compact-Specific Energy Efficiency Data Tables, Table VII.B.2.</u>
5.	Supporting Appendices	<i>See below</i>
	Assessment of all cost-effective energy efficiency and demand reduction resources	<u>Exhibit Compact-1 Section V.A</u>
	Detailed cost-benefit analyses and input assumptions	<u>Exhibit Compact-1 Sections VIII.C, VIII.V</u> <u>Exhibit Compact-5 BCR Screening Model</u>

	FILING REQUIREMENT	LOCATION
	Bill impacts analyses for all rate classes	<u>Exhibit Compact-6</u> Bill Impact Analysis
	Avoided cost study	<u>Exhibit Compact-1</u> Sections IV.G.3, VIII.J
	Technical Reference Manual	<u>Exhibit Compact-1</u> Sections IV.F, VIII.V
	Sources for all assumptions	<u>Exhibit Compact-1</u> Sections III, IV.A.6, IV.F, VIII.J, VIII.M, VIII.P, VIII.Q, VIII.T, VIII.U, VIII.V
	Transmission and distribution calculations	<u>Exhibit Compact-1</u> Sections IV.D.6, VIII.J
	Documents supporting competitive procurement	<u>Exhibit Compact-1</u> Section V.E <u>Exhibit Compact-4</u> PA-Specific Energy Efficiency Data Tables, Table V.D.1.
	Glossary of terms	<u>Exhibit Compact-1</u> Section VIII.A
	Screening tools	<u>Exhibit Compact-1</u> Sections VIII.C, VIII.V <u>Exhibit Compact-5</u> BCR Screening Model
6.	Estimated lifetime cost, reliability, and magnitude of all proposed energy efficiency and demand reduction resources	<u>Exhibit Compact-1</u> Sections V.F, IV.A, IV.B, VIII.C. <u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Tables IV.D.1, IV.D.2.2, IV.D.2.3, VII.B.2
7.	Amount of demand resources proposed	<u>Exhibit Compact-1</u> Section V.F

	FILING REQUIREMENT	LOCATION
8.	Estimated energy cost savings, including reductions in capacity and energy costs, and increases in rate stability and affordability for low-income customers	<u>Exhibit Compact-1 Sections IV.G.3, IV.G.4, VIII.C</u> <u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Table IV.D.3.2.
9.	Program descriptions	<u>Exhibit Compact-1 Sections III.E, III.F, III.G</u>
10.	Proposed mechanisms for performance incentives	<u>Exhibit Compact-1 Sections IV.C, VIII.R</u> <u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Table IV.H.1.
11.	Program budget	<u>Exhibit Compact-1 Section VIII.C</u> <u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Tables IV.B.1, IV.C.1
12.	Proposed reconciling mechanism	<u>Exhibit Compact-1 Section VI</u> <u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Table IV.I.1. Petition for Approval of Energy Efficiency Investment Plan during the Period January 1, 2016 through December 31, 2018
13.	Estimated peak load reduction and estimated economic benefits (including job retention, job growth, and economic development)	<u>Exhibit Compact-1 Section IV.G.4</u>
14.	Data on percentage of monies collected that will be used for direct consumer benefit (incentives and technical assistance)	<u>Exhibit Compact-1 Section VIII.C</u> <u>Exhibit Compact-4</u> Compact-Specific Energy Efficiency Data Tables, Table IV.C.1.

Energy Efficiency Data Tables

Overview

Cape Light Compact

October 30, 2015

D.P.U. 15-166

Exh. Compact-4, Data Tables

H.O.s Leupold and Hale

OVERVIEW

The following data tables provide a summary of the Program Administrator's benefits, costs, savings, and cost-effectiveness for 2013 through 2018. The 2013 through 2015 planned values are consistent with each Program Administrator's 2013-2015 Three-Year Plan. The 2013 and 2014 evaluated values are consistent with each Program Administrator's 2013 and 2014 Plan-Year Reports. The 2015 year-to-date data represents the most up-to-date estimated actual values available. Specifically, 2015 year-to-date costs and each Program Administrator's primary-fuel savings are estimated actuals through August 2015, while the 2015 year-to-date benefits and each Program Administrator's non-primary-fuel savings are estimated actuals through June 2015 consistent with the 2015 Second Quarterly Report. The 2016-2018 planned values are consistent with each Program Administrator's 2016-2018 Three-Year Plan.

The data included in these tables is based on other supporting models. The primary supporting models used by the Program Administrators are the Benefit-Cost Screening model, each Program Administrator's EES calculation support documents, and the Performance Incentive model. These exhibits should be referenced when looking for more detailed analyses, such as measure level detail and EES calculations. High-level summaries for each of these models are provided below, along with information on plan details that are not summarized in the following plan tables.

BENEFIT-COST SCREENING MODEL

The Benefit-Cost Screening model provides measure level savings and benefits. This model uses the avoided cost values from the 2015 Avoided Energy Supply Cost study prepared by Tabors Caramanis Rudkevich.

EES CALCULATIONS

Each Program Administrator's Energy Efficiency Surcharge analysis provides supporting information on the EES rates proposed for effect in 2016-2018, including how the rates are calculated for each customer sector, and how revenue is collected from each customer sector.

PERFORMANCE INCENTIVE MODEL

The Performance Incentive model filed as part of the Joint Statewide Three-Year Plan provides support for the performance incentive dollars proposed for collection by the Program Administrator. Note that performance incentives are not applicable to the Cape Light Compact.

EM&V ACTIVITIES

The Evaluation, Monitoring & Verification Section of the Joint Statewide Three-Year Plan describes in detail the EM&V activities planned for 2016-2018.

OTHER FUNDING

For the electric Program Administrators, "Other Funding" are those funds, private or public utility administered or otherwise, that may be available for energy efficiency or demand resources and do not include SBC Funds, FCM Revenue, or RGGI Proceeds. The electric Program Administrators assume no other funding sources for 2016-2018.

IV.D. Cost Effectiveness
 Additional Filing Requirements
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

2013 Evaluated Additional Filing Requirements																	
Program	Participants (#)	Annual Savings			Total Energy Benefits (\$)	Total Costs		Savings per TRC Costs			Savings per Participant per TRC Costs			Total Energy Benefits			
		Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)		Program Costs (Nominal \$)	TRC Test Costs (2013\$)	Electric Energy (kWh/\$)	Natural Gas (Therms/\$)	Oil (MMBTU/\$)	Electric Energy (kWh/#/\$)	Natural Gas (Therms/#/\$)	Oil (MMBTU/#/\$)	per Program Costs (\$/\$)	per TRC Costs (\$/\$)	per Participant per TRC Costs (\$/#/\$)	
		A - Residential	52,733	13,159	260,473	36,140	41,448,205	16,216,641	18,741,920	0.702	0.014	0.0019	0.00000	0.00000	0.0000000	2,556	2,212
A1 - Residential Whole House	4,493	5,892	263,869	36,140	32,680,211	12,812,547	14,883,328	0.396	0.018	0.0024	0.0001	0.000004	0.0000005	2,551	2,196	0.000	
Residential New Construction & Major Renovation	122	337	-	-	1,484,870	252,603	338,388	0.996	-	-	0.0082	-	-	5,878	4,388	0.036	
Residential Multi-Family Retrofit	364	284	1,063	7	532,708	333,936	333,936	0.851	0.003	0.0000	0.0023	0.000009	0.0000001	1,595	1,595	0.004	
Residential Home Energy Services	4,007	5,271	262,806	36,133	30,662,632	12,226,008	14,211,003	0.371	0.018	0.0025	0.0001	0.000005	0.0000006	2,508	2,158	0.001	
Residential Behavior/Feedback Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
A2 - Residential Products	48,240	7,267	(3,397)	-	8,767,995	2,334,868	2,789,367	2.605	(0.001)	-	0.0001	(0.000000)	-	3,755	3,143	0.000	
Residential Cooling & Heating Equipment	1,773	1,091	(3,397)	-	2,272,224	1,012,407	1,466,906	0.744	(0.002)	-	0.0004	(0.000001)	-	2,244	1,549	0.001	
Residential Lighting	43,728	5,349	-	-	5,586,916	991,735	991,735	5.394	-	-	0.0001	-	-	5,633	5,633	0.000	
Residential Consumer Products	2,739	827	-	-	908,855	330,725	330,725	2.501	-	-	0.0009	-	-	2,748	2,748	0.001	
A3 - Residential Hard-to-Measure	-	-	-	-	-	1,069,225	1,069,225	-	-	-	-	-	-	-	-	-	
B - Low-Income	1,718	1,828	11,471	5,897	6,633,725	2,713,226	2,773,141	0.659	0.004	0.0021	0.0004	0.000002	0.0000012	2,445	2,392	0.001	
B1 - Low-Income Whole House	1,718	1,828	11,471	5,897	6,633,725	2,649,900	2,709,815	0.674	0.004	0.0022	0.0004	0.000002	0.0000013	2,503	2,448	0.001	
Low-Income New Construction	276	110	11,299	5	673,027	50,016	109,930	1.004	0.103	0.0000	0.0036	0.000372	0.0000002	13,456	6,122	0.022	
Low-Income Single-Family Retrofit	854	1,349	172	5,863	5,245,877	2,188,588	2,188,588	0.616	0.000	0.0027	0.0007	0.000000	0.0000031	2,397	2,397	0.003	
Low-Income Multi-Family Retrofit	588	369	-	28	714,821	411,296	411,296	0.896	-	-	0.0015	-	0.0000001	1,738	1,738	0.003	
B2 - Low-Income Hard-to-Measure	-	-	-	-	-	63,326	63,326	-	-	-	-	-	-	-	-	-	
C - Commercial & Industrial	1,423	13,639	28,100	3,175	27,002,775	6,709,066	8,715,043	1.565	0.003	0.0004	0.0011	0.000002	0.0000003	4,025	3,098	0.002	
C1 - C&I New Construction	944	7,182	(24,048)	2,134	12,586,314	2,040,098	2,776,791	2.586	(0.009)	0.0008	0.0027	(0.000009)	0.0000008	6,169	4,533	0.005	
C&I New Construction	944	7,182	(24,048)	2,134	12,586,314	2,040,098	2,776,791	2.586	(0.009)	0.0008	0.0027	(0.000009)	0.0000008	6,169	4,533	0.005	
C2 - C&I Retrofit	479	6,457	52,147	1,041	14,416,461	4,504,593	5,773,877	1.118	0.009	0.0002	0.0023	0.000019	0.0000004	3,200	2,497	0.005	
C&I Retrofit	81	2,140	66,814	11	5,335,760	1,357,209	2,196,480	0.974	0.030	0.0000	0.0120	0.000376	0.0000001	3,931	2,429	0.030	
C&I Direct Install	398	4,317	(14,666)	1,030	9,080,702	3,147,384	3,577,397	1.207	(0.004)	0.0003	0.0030	(0.000010)	0.0000007	2,885	2,538	0.006	
C3 - C&I Hard-to-Measure	-	-	-	-	-	164,375	164,375	-	-	-	-	-	-	-	-	-	
Grand Total	55,874	28,625	300,043	45,211	75,084,705	25,638,933	30,230,105	0.947	0.010	0.0015	0.0000	0.000000	0.0000000	2,929	2,484	0.000	

2014 Evaluated Additional Filing Requirements																	
Program	Participants (#)	Annual Savings			Total Energy Benefits (\$)	Total Costs		Savings per TRC Costs			Savings per Participant per TRC Costs			Total Energy Benefits			
		Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)		Program Costs (Nominal \$)	TRC Test Costs (2013\$)	Electric Energy (kWh/\$)	Natural Gas (Therms/\$)	Oil (MMBTU/\$)	Electric Energy (kWh/#/\$)	Natural Gas (Therms/#/\$)	Oil (MMBTU/#/\$)	per Program Costs (\$/\$)	per TRC Costs (\$/\$)	per Participant per TRC Costs (\$/#/\$)	
		A - Residential	87,366	15,635	308,771	37,469	51,787,592	19,142,877	24,443,109	0.640	0.013	0.0015	0.0000	0.000000	0.0000000	2,705	2,119
A1 - Residential Whole House	4,721	7,208	311,036	37,407	40,636,757	15,169,517	18,192,545	0.396	0.017	0.0020	0.0001	0.000004	0.0000000	2,679	2,234	0.000	
Residential New Construction & Major Renovation	173	482	370	26	1,814,324	388,711	551,789	0.873	0.001	0.0000	0.0050	0.000004	0.0000000	4,668	3,288	0.019	
Residential Multi-Family Retrofit	443	545	1,125	8	1,395,323	519,807	505,747	1.078	0.002	0.0000	0.0024	0.000005	0.0000000	2,684	2,759	0.006	
Residential Home Energy Services	4,105	6,181	309,541	37,073	37,427,110	14,048,709	16,928,462	0.365	0.018	0.0022	0.0001	0.000004	0.0000001	2,664	2,211	0.001	
Residential Behavior/Feedback Program	-	-	-	-	-	212,290	206,548	-	-	-	-	-	-	-	-	-	
A2 - Residential Products	82,645	8,427	(2,264)	62	11,150,835	2,856,523	5,163,935	1.632	(0.000)	0.0000	0.0000	(0.000000)	0.0000000	3,904	2,159	0.000	
Residential Cooling & Heating Equipment	1,840	1,158	(3,334)	-	2,291,265	1,070,576	1,604,462	0.721	(0.002)	-	0.0004	(0.000001)	-	2,140	1,428	0.001	
Residential Lighting	77,785	6,601	-	-	7,979,120	1,398,721	3,065,175	2.154	-	-	0.0000	-	-	5,705	2,603	0.000	
Residential Consumer Products	3,020	669	1,070	62	880,450	387,225	494,298	1.353	0.002	0.0001	0.0004	0.000001	0.0000000	2,274	1,781	0.001	
A3 - Residential Hard-to-Measure	-	-	-	-	-	1,116,837	1,086,629	-	-	-	-	-	-	-	-	-	
B - Low-Income	1,271	1,928	4	5,883	5,955,501	2,683,268	2,610,691	0.738	0.000	0.0023	0.0006	0.000000	0.0000002	2,219	2,281	0.002	
B1 - Low-Income Whole House	1,271	1,928	4	5,883	5,955,501	2,621,058	2,550,163	0.756	0.000	0.0023	0.0006	0.000000	0.0000002	2,272	2,335	0.002	
Low-Income New Construction	52	26	-	-	121,072	16,587	16,587	1.608	-	-	0.0309	-	-	7,299	7,502	0.144	
Low-Income Single-Family Retrofit	790	1,544	4	5,855	5,371,778	2,255,627	2,194,617	0.703	0.000	0.0027	0.0009	0.000000	0.0000003	2,382	2,448	0.003	
Low-Income Multi-Family Retrofit	429	358	-	28	462,652	348,844	339,405	1.054	-	0.0001	0.0025	-	0.0000000	1,326	1,363	0.003	
B2 - Low-Income Hard-to-Measure	-	-	-	-	-	62,210	60,528	-	-	-	-	-	-	-	-	-	
C - Commercial & Industrial	2,101	32,827	(94,217)	(11,336)	41,501,907	14,930,992	16,286,350	2.016	(0.006)	(0.0007)	0.0010	(0.000003)	(0.000000)	2,780	2,548	0.001	
C1 - C&I New Construction	1,512	17,274	(56,647)	(12,046)	17,310,809	2,818,845	3,289,378	5.251	(0.017)	(0.0037)	0.0035	(0.000011)	(0.0000002)	6,141	5,263	0.003	
C&I New Construction	1,512	17,274	(56,647)	(12,046)	17,310,809	2,818,845	3,289,378	5.251	(0.017)	(0.0037)	0.0035	(0.000011)	(0.0000002)	6,141	5,263	0.003	
C2 - C&I Retrofit	589	15,553	(37,570)	710	24,191,098	11,954,442	12,843,534	1.211	(0.003)	0.0021	0.0021	(0.000005)	0.0000000	2,024	1,884	0.003	
C&I Retrofit	118	9,274	(4,403)	(873)	11,572,073	6,976,802	7,550,988	1.228	(0.001)	(0.0001)	0.0104	(0.000005)	(0.0000001)	1,684	1,556	0.013	
C&I Direct Install	471	6,279	(33,167)	1,583	12,439,026	4,977,640	5,292,546	1.186	(0.006)	0.0025	0.0003	(0.000013)	0.0000001	2,499	2,350	0.005	
C3 - C&I Hard-to-Measure	-	-	-	-	-	157,704	153,439	-	-	-	-	-	-	-	-	-	
Grand Total	90,738	50,389	214,559	31,716	99,245,001	36,757,137	43,340,150	1.163	0.005	0.0007	0.0000	0.000000	0.0000000	2,700	2,290	0.000	

IV.D. Cost Effectiveness
 Additional Filing Requirements
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

2015 YTD Additional Filing Requirements																	
Program	Participants (#)	Annual Savings				Total Energy Benefits (\$)	Total Costs		Savings per PA Costs			Savings per Participant per PA Costs			Total Energy Benefits		
		Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	Program Costs (Nominal \$)		PA Costs (2015\$)	Electric Energy (kWh/\$)	Natural Gas (Therms/\$)	Oil (MMBTU/\$)	Electric Energy (kWh/#/\$)	Natural Gas (Therms/#/\$)	Oil (MMBTU/#/\$)	per Program Costs (\$/\$)	per PA Costs (\$/\$)	per Participant per PA Costs (\$/#/\$)	
		A - Residential	154,800	17,419	183,506		17,832	44,258,302	12,933,580	12,243,386	1,423	0.015	0.0015	0.00000	0.00000	0.00000	3,422
A1 - Residential Whole House	3,988	7,837	185,090	17,827	26,568,463	9,567,623	9,057,051	0.865	0.020	0.0020	0.0002	0.000005	0.000000	2,777	2,933	0.001	
Residential New Construction & Major Renovation	110	461	-	49	1,351,080	213,079	201,708	2,285	-	0.0002	0.0208	-	0.000002	6,341	6,698	0.061	
Residential Multi-Family Retrofit	500	999	1,132	1	1,564,073	406,657	384,956	2,595	0.003	0.0000	0.0052	0.000006	0.000000	3,846	4,063	0.008	
Residential Home Energy Services	3,378	6,377	183,958	17,776	23,653,309	8,861,721	8,388,819	0.760	0.022	0.0002	0.000006	0.000001	0.000000	2,669	2,820	0.001	
Residential Behavior/Feedback Program	-	-	-	-	-	86,167	81,568	-	-	-	-	-	-	-	-	-	
A2 - Residential Products	150,812	9,582	(1,584)	6	17,689,838	2,683,092	2,539,910	3,773	(0.001)	0.0000	(0.000000)	0.000000	0.000000	6,593	6,965	0.000	
Residential Cooling & Heating Equipment	1,314	924	(2,200)	-	1,343,363	679,233	642,986	1,437	(0.003)	-	0.0011	(0.000003)	-	1,978	2,089	0.002	
Residential Lighting	148,112	8,260	-	-	15,799,286	1,771,983	1,677,422	4,924	-	0.0000	-	-	-	8,916	9,419	0.000	
Residential Consumer Products	1,386	398	615	6	547,190	231,876	219,502	1,813	0.003	0.0000	0.0013	0.000002	0.000000	2,360	2,493	0.002	
A3 - Residential Hard-to-Measure	-	-	-	-	-	682,865	646,424	-	-	-	-	-	-	-	-	-	
B - Low-Income	814	1,138	52	3,227	3,736,076	1,889,031	1,788,224	0.636	0.000	0.0018	0.00008	0.000000	0.000002	1,972	2,084	0.003	
B1 - Low-Income Whole House	814	1,138	52	3,227	3,726,076	1,841,508	1,743,237	0.653	0.000	0.0019	0.0008	0.000000	0.000002	2,023	2,137	0.003	
Low-Income New Construction	34	23	-	-	20,026	107,320	101,593	0.228	-	0.0067	-	-	-	0,187	0,197	0.006	
Low-Income Single-Family Retrofit	574	903	52	3,227	3,471,660	1,532,842	1,451,043	0.622	0.000	0.0022	0.0011	0.000000	0.000004	2,265	2,393	0.004	
Low-Income Multi-Family Retrofit	206	211	-	-	234,390	201,346	190,601	1,108	-	0.0054	-	-	-	1,164	1,230	0.006	
B2 - Low-Income Hard-to-Measure	-	-	-	-	-	47,523	44,987	-	-	-	-	-	-	-	-	-	
C - Commercial & Industrial	1,562	13,957	(34,671)	488	22,164,545	7,042,731	6,666,899	2,093	(0.005)	0.0001	0.00013	(0.000003)	0.000000	3,147	3,325	0.002	
C1 - C&I New Construction	1,079	6,399	(14,377)	-	8,281,453	1,542,587	1,460,268	4,382	(0.010)	-	0.0041	(0.000009)	-	5,369	5,671	0.005	
C&I New Construction	1,079	6,399	(14,377)	-	8,281,453	1,542,587	1,460,268	4,382	(0.010)	-	0.0041	(0.000009)	-	5,369	5,671	0.005	
C2 - C&I Retrofit	483	7,557	(20,294)	488	13,883,091	5,351,885	5,066,284	1,492	(0.004)	0.0001	0.0031	(0.000008)	0.000000	2,594	2,740	0.006	
C&I Retrofit	102	3,770	(1,392)	-	6,866,805	2,597,372	2,458,765	1,533	(0.001)	0.0150	(0.000006)	-	-	2,644	2,793	0.027	
C&I Direct Install	381	3,788	(18,902)	488	7,016,286	2,754,513	2,607,519	1,453	(0.007)	0.0002	0.0038	(0.000019)	0.000000	2,547	2,691	0.007	
C3 - C&I Hard-to-Measure	-	-	-	-	-	148,260	140,348	-	-	-	-	-	-	-	-	-	
Grand Total	157,176	32,513	148,887	21,546	70,148,923	21,865,343	20,698,509	1,571	0.007	0.0010	0.0000	0.000000	0.000000	3,208	3,389	0.000	

2013-2015 YTD Additional Filing Requirements																	
Program	Participants (#)	Annual Savings				Total Energy Benefits (\$)	Total Costs		Savings per TRC Costs			Savings per Participant per TRC Costs			Total Energy Benefits		
		Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	Program Costs (Nominal \$)		TRC Test Costs (2015\$)	Electric Energy (kWh/\$)	Natural Gas (Therms/\$)	Oil (MMBTU/\$)	Electric Energy (kWh/#/\$)	Natural Gas (Therms/#/\$)	Oil (MMBTU/#/\$)	per Program Costs (\$/\$)	per TRC Costs (\$/\$)	per Participant per TRC Costs (\$/#/\$)	
		A - Residential	294,898	46,213	752,750		91,140	137,494,099	48,293,098	55,428,415	0.834	0.014	0.0016	0.00000	0.000000	0.000000	2,847
A1 - Residential Whole House	13,202	20,936	759,995	91,073	99,885,431	37,549,688	42,132,924	0.497	0.018	0.0022	0.0000	0.000001	0.000000	2,650	2,371	0.000	
Residential New Construction & Major Renovation	405	1,279	370	75	4,650,275	854,393	1,091,884	1,172	0.000	0.0001	0.0029	0.000001	0.000000	5,443	4,259	0.011	
Residential Multi-Family Retrofit	1,307	1,829	3,320	15	3,492,105	1,260,400	1,224,639	1,493	0.003	0.0000	0.0011	0.000002	0.000000	2,771	2,852	0.002	
Residential Home Energy Services	11,490	17,828	756,305	90,983	91,743,052	35,136,438	39,528,284	0.451	0.019	0.0023	0.0000	0.000002	0.000000	2,611	2,321	0.000	
Residential Behavior/Feedback Program	-	-	-	-	-	298,457	288,116	-	-	-	-	-	-	-	-	-	
A2 - Residential Products	281,696	25,277	(7,245)	67	37,608,668	7,874,483	10,493,213	2,409	(0.001)	0.0000	0.0000	(0.000000)	0.000000	4,776	3,584	0.000	
Residential Cooling & Heating Equipment	4,927	3,172	(8,930)	-	5,906,851	2,762,217	3,714,355	0.854	(0.002)	-	0.0002	(0.000000)	-	2,138	1,590	0.000	
Residential Lighting	269,624	20,211	-	-	29,365,321	4,162,439	5,734,332	3,525	-	0.0000	-	-	-	7,055	5,121	0.000	
Residential Consumer Products	7,145	1,894	1,685	67	2,336,495	949,827	1,044,526	1,813	0.002	0.0001	0.0003	0.000000	0.000000	2,460	2,237	0.000	
A3 - Residential Hard-to-Measure	-	-	-	-	-	2,868,927	2,802,278	-	-	-	-	-	-	-	-	-	
B - Low-Income	3,803	4,893	11,527	15,006	16,315,302	7,285,526	7,172,056	0.682	0.002	0.0021	0.0002	0.000000	0.000001	2,239	2,275	0.001	
B1 - Low-Income Whole House	3,803	4,893	11,527	15,006	16,315,302	7,112,466	7,003,215	0.699	0.002	0.0021	0.0002	0.000000	0.000001	2,294	2,330	0.001	
Low-Income New Construction	362	11,299	5	5	814,124	173,923	227,661	0.701	0.050	0.0000	0.0019	0.000137	0.000000	4,681	3,576	0.010	
Low-Income Single-Family Retrofit	2,218	3,796	228	14,945	14,089,315	5,977,057	5,834,248	0.651	0.000	0.0026	0.0003	0.000000	0.000001	2,357	2,415	0.001	
Low-Income Multi-Family Retrofit	1,223	938	-	56	1,411,864	961,486	941,306	0.996	-	0.0001	0.0008	-	0.000000	1,468	1,500	0.001	
B2 - Low-Income Hard-to-Measure	-	-	-	-	-	173,060	168,841	-	-	-	-	-	-	-	-	-	
C - Commercial & Industrial	5,086	60,422	(100,788)	(7,673)	90,669,228	28,682,789	31,668,293	1,908	(0.003)	(0.0002)	0.0004	(0.000001)	(0.000000)	3,161	2,863	0.001	
C1 - C&I New Construction	3,535	30,855	(95,071)	(9,912)	38,178,576	6,401,530	7,526,436	4,100	(0.013)	(0.0013)	0.0012	(0.000004)	(0.000000)	5,964	5,073	0.001	
C&I New Construction	3,535	30,855	(95,071)	(9,912)	38,178,576	6,401,530	7,526,436	4,100	(0.013)	(0.0013)	0.0012	(0.000004)	(0.000000)	5,964	5,073	0.001	
C2 - C&I Retrofit	1,551	29,567	(5,717)	2,239	52,490,651	21,810,920	23,683,695	1,248	(0.000)	0.0008	0.0008	(0.000000)	0.000000	2,407	2,216	0.001	
C&I Retrofit	301	15,184	(61,018)	(862)	23,954,638	10,931,383	12,206,232	1,244	(0.005)	(0.0001)	0.0041	0.000017	(0.000000)	2,191	1,962	0.007	
C&I Direct Install	1,250	14,383	(66,735)	3,100	28,536,014	10,879,537	11,477,462	1,253	0.006	0.0010	0.0010	(0.000005)	0.000000	2,623	2,486	0.002	
C3 - C&I Hard-to-Measure	-	-	-	-	-	470,339	458,162	-	-	-	-	-	-	-	-	-	
Grand Total	303,787	111,528	663,489	98,473	244,478,629	84,261,413	94,268,764	1,183	0.007	0.0010	0.0000	0.000000	0.000000	2,901	2,593	0.000	

IV.D. Cost Effectiveness
Additional Filing Requirements
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

2016 Planned Additional Filing Requirements																		
Program	Participants (#)	Annual Savings				Total Energy Benefits (\$)	Total Costs			Savings per TRC Costs			Savings per Participant per TRC Costs			Total Energy Benefits		
		Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	Program Costs (Nominal \$)		TRC Test Costs (2016\$)	Electric Energy (kWh/\$)	Natural Gas (Therms/\$)	Oil (MMBTU/\$)	Electric Energy (kWh/#/\$)	Natural Gas (Therms/#/\$)	Oil (MMBTU/#/\$)	per Program Costs (\$/\$)	per TRC Costs (\$/\$)	per Participant per TRC Costs (\$/#/\$)		
		A - Residential	91,578	21,164	175,910		28,611	21,197,915	21,682,579	26,553,107	0.797	0.007	0.0011	0.00000	0.00000	0.00000	2.361	1.928
A1 - Residential Whole House	3,358	8,182	301,109	35,961	37,789,292	16,012,900	19,187,830	0.426	0.016	0.0019	0.0001	0.000005	0.000001	2.360	1.969	0.001		
A1a - Residential New Construction	91	603	623	49	2,454,233	452,182	700,776	0.860	0.001	0.0001	0.0095	0.000010	0.000001	5.428	3.502	0.038		
A1b - Residential Multi-Family Retrofit	317	387	281	319	722,752	750,593	760,572	0.509	0.000	0.0004	0.0016	0.000001	0.000001	0.963	0.950	0.003		
A1c - Residential Home Energy Services - Measures	2,600	7,013	293,446	35,215	34,234,801	12,800,315	15,716,673	0.446	0.019	0.0022	0.0002	0.000007	0.000001	2.675	2.178	0.001		
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	1,685,335	1,685,335	-	-	-	-	-	-	-	-	-		
A1e - Residential Behavior/Feedback Program	350	179	6,760	378	377,505	324,476	324,476	0.553	0.021	0.0012	0.0016	0.000060	0.000003	1.163	1.163	0.003		
A2 - Residential Products	88,220	12,982	(125,199)	(7,350)	13,408,624	4,249,094	5,944,691	2.184	(0.021)	(0.0012)	0.0000	(0.000000)	(0.000000)	3.156	2.256	0.000		
A2a - Residential Heating & Cooling Equipment	4,530	1,347	(4,082)	-	2,374,514	1,738,582	2,568,231	0.525	(0.002)	-	0.0001	(0.000000)	-	1.366	0.925	0.000		
A2b - Residential Consumer Products	2,520	820	222	25	1,028,547	379,097	486,106	1.687	0.000	0.0001	0.0007	0.000000	0.000000	2.713	2.116	0.001		
A2c - Residential Lighting	81,170	10,815	(121,339)	(7,375)	10,005,563	2,131,416	2,890,354	3.742	(0.042)	(0.0026)	0.0000	(0.000001)	(0.000000)	4.694	3.462	0.000		
A3 - Residential Hard-to-Measure	-	-	-	-	-	1,420,585	1,420,585	-	-	-	-	-	-	-	-	-		
B - Low-Income	800	1,646	-	11,487	8,133,586	4,045,512	4,045,512	0.407	-	0.0028	0.0005	-	0.000004	2.011	2.011	0.003		
B1 - Low-Income Whole House	800	1,646	-	11,487	8,133,586	3,949,328	3,949,328	0.417	-	0.0029	0.0005	-	0.000004	2.059	2.059	0.003		
B1a - Low-Income Single Family Retrofit	560	1,282	-	5,221	4,344,685	2,738,699	2,738,699	0.468	-	0.0019	0.0008	-	0.000003	1.586	1.586	0.003		
B1b - Low-Income Multi-Family Retrofit	240	364	-	6,266	3,788,902	1,210,629	1,210,629	0.301	-	0.0052	0.0013	-	0.000022	3.130	3.130	0.013		
B2 - Low-Income Hard-to-Measure	-	-	-	-	-	96,184	96,184	-	-	-	-	-	-	-	-	-		
C - Commercial & Industrial	2,245	35,664	(260,154)	(11,990)	39,567,765	12,672,028	17,687,161	2.016	(0.015)	(0.0006)	0.0009	(0.000007)	(0.000000)	3.122	2.237	0.001		
C1 - C&I New Construction	87	3,508	(158,364)	(578)	6,652,746	1,367,900	2,456,401	1.428	(0.064)	(0.0002)	0.0164	(0.000741)	(0.000003)	4.863	2.708	0.031		
C1a - C&I New Buildings & Major Renovations	37	432	(2,778)	(578)	838,659	1,074,929	929,608	0.465	(0.003)	(0.0006)	0.0126	(0.000081)	(0.000017)	0.780	0.902	0.024		
C1b - C&I Initial Purchase & End of Useful Life	50	3,076	(155,585)	-	5,814,088	292,971	1,526,793	2.015	(0.102)	-	0.0403	(0.002038)	-	19.845	3.808	0.076		
C2 - C&I Retrofit	2,158	32,155	(101,791)	(10,812)	32,915,019	10,979,135	14,905,767	2.157	(0.007)	(0.0007)	0.0010	(0.000003)	(0.000000)	2.998	2.208	0.001		
C2a - C&I Existing Building Retrofit	151	3,905	6,451	(1,184)	6,551,903	3,237,474	3,576,439	1.092	0.002	(0.0003)	0.0072	0.000012	(0.000002)	2.024	1.832	0.012		
C2b - C&I Small Business	490	7,268	(30,272)	5,297	11,791,193	5,490,747	6,570,119	1.106	(0.005)	0.0008	0.0023	(0.000009)	0.000002	2.147	1.795	0.004		
C2c - C&I Multifamily Retrofit	317	387	290	315	719,004	756,995	767,916	0.504	0.000	0.0004	0.0014	0.000001	0.000001	0.950	0.936	0.003		
C2d - C&I Upstream Lighting	1,200	20,595	(78,260)	(15,240)	13,852,919	1,493,919	3,991,293	5.160	(0.020)	(0.0038)	0.0043	(0.000016)	(0.000003)	9.273	3.471	0.003		
C3 - C&I Hard-to-Measure	-	-	-	-	-	324,994	324,994	-	-	-	-	-	-	-	-	-		
Grand Total	94,623	58,474	(84,244)	28,708	98,899,267	38,400,119	48,285,780	1.211	(0.002)	0.0006	0.0000	(0.000000)	0.000000	2.575	2.048	0.000		

2017 Planned Additional Filing Requirements																		
Program	Participants (#)	Annual Savings				Total Energy Benefits (\$)	Total Costs			Savings per TRC Costs			Savings per Participant per TRC Costs			Total Energy Benefits		
		Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	Program Costs (Nominal \$)		TRC Test Costs (2016\$)	Electric Energy (kWh/\$)	Natural Gas (Therms/\$)	Oil (MMBTU/\$)	Electric Energy (kWh/#/\$)	Natural Gas (Therms/#/\$)	Oil (MMBTU/#/\$)	per Program Costs (\$/\$)	per TRC Costs (\$/\$)	per Participant per TRC Costs (\$/#/\$)		
		A - Residential	83,043	18,989	215,703		34,272	52,464,580	22,596,621	26,722,796	0.711	0.008	0.0013	0.00000	0.00000	0.00000	2.322	1.963
A1 - Residential Whole House	3,544	8,196	315,233	40,062	40,665,930	16,899,747	19,742,836	0.415	0.016	0.0020	0.0001	0.000005	0.000001	2.406	2.060	0.001		
A1a - Residential New Construction	87	540	592	47	2,351,886	449,911	670,546	0.805	0.001	0.0001	0.0093	0.000010	0.000001	5.227	3.507	0.040		
A1b - Residential Multi-Family Retrofit	326	345	281	328	658,564	752,503	750,777	0.460	0.000	0.0004	0.0014	0.000001	0.000001	0.875	0.877	0.003		
A1c - Residential Home Energy Services - Measures	2,731	7,127	307,601	39,309	37,286,578	13,621,958	16,297,547	0.437	0.019	0.0024	0.0002	0.000007	0.000001	2.737	2.288	0.001		
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	1,748,768	1,705,449	-	-	-	-	-	-	-	-	-		
A1e - Residential Behavior/Feedback Program	400	184	6,760	378	368,902	326,608	318,518	0.578	0.021	0.0012	0.0014	0.000053	0.000003	1.129	1.158	0.003		
A2 - Residential Products	79,499	10,793	(99,531)	(5,790)	11,798,651	4,214,350	5,534,160	1.950	(0.018)	(0.0010)	0.0000	(0.000000)	(0.000000)	2.800	2.132	0.000		
A2a - Residential Heating & Cooling Equipment	4,718	1,426	(4,082)	-	2,534,641	1,927,522	2,695,213	0.529	(0.002)	-	0.0001	(0.000000)	-	1.315	0.940	0.000		
A2b - Residential Consumer Products	2,520	839	222	25	1,021,192	387,236	484,929	1.731	0.000	0.0001	0.0007	0.000000	0.000000	2.637	2.106	0.001		
A2c - Residential Lighting	72,262	8,527	(95,671)	(5,815)	8,242,818	1,899,592	2,354,018	3.622	(0.041)	(0.0025)	0.0001	(0.000001)	(0.000000)	4.339	3.502	0.000		
A3 - Residential Hard-to-Measure	-	-	-	-	-	1,482,523	1,445,800	-	-	-	-	-	-	-	-	-		
B - Low-Income	960	1,758	-	13,117	9,246,952	4,464,004	4,353,426	0.404	-	0.0030	0.0004	-	0.000003	2.071	2.124	0.002		
B1 - Low-Income Whole House	960	1,758	-	13,117	9,246,952	4,363,619	4,255,528	0.413	-	0.0031	0.0004	-	0.000003	2.119	2.173	0.002		
B1a - Low-Income Single Family Retrofit	640	1,329	-	5,670	4,723,448	2,863,329	2,889,925	0.460	-	0.0020	0.0007	-	0.000003	1.594	1.634	0.003		
B1b - Low-Income Multi-Family Retrofit	320	429	-	7,447	4,523,504	1,400,290	1,365,603	0.314	-	0.0053	0.0010	-	0.000017	3.230	3.312	0.010		
B2 - Low-Income Hard-to-Measure	-	-	-	-	-	100,384	97,898	-	-	-	-	-	-	-	-	-		
C - Commercial & Industrial	2,472	35,764	(186,293)	(5,790)	39,891,132	14,936,382	18,809,348	1.901	(0.010)	(0.0003)	0.0008	(0.000004)	(0.000000)	2.671	2.121	0.001		
C1 - C&I New Construction	87	1,781	(73,623)	(515)	3,275,044	1,281,355	1,529,530	1.164	(0.048)	(0.0003)	0.0134	(0.000553)	(0.000004)	2.556	2.141	0.025		
C1a - C&I New Buildings & Major Renovations	37	558	(2,467)	(515)	1,086,737	1,056,154	887,977	0.628	(0.003)	(0.0006)	0.0170	(0.000075)	(0.000016)	1.029	1.224	0.033		
C1b - C&I Initial Purchase & End of Useful Life	50	1,223	(71,156)	-	2,188,307	225,200	641,553	1.906	(0.111)	-	0.0381	(0.002218)	-	9.717	3.411	0.068		
C2 - C&I Retrofit	2,385	33,983	(112,670)	(5,275)	36,616,088	13,348,435	16,980,821	2.001	(0.007)	(0.0003)	0.0008	(0.000003)	(0.000000)	2.743	2.156	0.001		
C2a - C&I Existing Building Retrofit	159	5,201	5,667	(1,593)	8,569,493	3,700,777	4,088,175	1.272	0.001	(0.0004)	0.0080	0.000009	(0.000002)	2.316	2.096	0.013		
C2b - C&I Small Business	700	9,280	(45,834)	10,169	15,356,782	7,428,344	8,526,490	1.088	(0.005)	0.0012	0.0016	(0.000008)	0.000002	2.067	1.801	0.003		
C2c - C&I Multifamily Retrofit	326	345	290	325	663,778	752,201	750,175	0.460	0.000	0.0004	0.0014	0.000001	0.000001	0.882	0.885	0.003		
C2d - C&I Upstream Lighting	1,200	19,156	(72,793)	(14,176)	12,026,035	1,467,113	3,615,980	5.298	(0.020)	(0.0039)	0.0044	(0.000017)	(0.000003)	8.197	3.326	0.003		

IV.D. Cost Effectiveness
Additional Filing Requirements
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

2018 Planned Additional Filing Requirements																		
Program	Participants (#)	Annual Savings				Total Energy Benefits (\$)	Total Costs			Savings per TRC Costs			Savings per Participant per TRC Costs			Total Energy Benefits		
		Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	Program Costs (Nominal \$)		TRC Test Costs (2016\$)	Electric Energy (kWh/\$)	Natural Gas (Therms/\$)	Oil (MMBTU/\$)	Electric Energy (kWh/#/\$)	Natural Gas (Therms/#/\$)	Oil (MMBTU/#/\$)	per Program Costs (\$/S)	per TRC Costs (\$/S)	per Participant per TRC Costs (\$/#/S)		
		A - Residential	77,345	17,284	242,282		38,638	53,976,227	23,712,462	27,152,654	0.637	0.009	0.0014	0.00000	0.00000	0.00000	2.276	1.988
A1 - Residential Whole House	3,743	8,237	330,116	43,234	43,349,149	17,937,179	20,420,869	0.403	0.016	0.0021	0.0001	0.00004	0.00001	2,417	2,123	0.001		
A1a - Residential New Construction	90	618	612	49	2,594,330	485,365	695,450	0.889	0.001	0.0001	0.00099	0.00010	0.00001	5,345	3,730	0.041		
A1b - Residential Multi-Family Retrofit	336	354	290	338	686,839	820,861	801,433	0.441	0.000	0.0004	0.00013	0.00001	0.00001	0,837	0,857	0.003		
A1c - Residential Home Energy Services - Measures	2,867	7,078	322,453	42,469	39,710,207	14,472,984	16,871,602	0.420	0.019	0.0025	0.0001	0.00007	0.00001	2,744	2,354	0.001		
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	1,827,679	1,738,255	-	-	-	-	-	-	-	-	-		
A1e - Residential Behavior/Feedback Program	450	187	6,760	378	357,773	330,289	314,129	0.595	0.022	0.0012	0.00013	0.000048	0.00003	1,083	1,139	0.003		
A2 - Residential Products	73,602	9,047	(87,833)	(4,595)	10,627,078	4,227,585	5,259,814	1.720	(0.017)	(0.0009)	0.0000	(0.000000)	(0.000000)	2.514	2.020	0.000		
A2a - Residential Heating & Cooling Equipment	4,905	1,511	(4,082)	-	2,725,287	2,138,993	2,836,677	0.533	(0.001)	-	0.0001	(0.000000)	-	1,274	0,961	0.000		
A2b - Residential Consumer Products	2,370	761	222	25	923,123	350,766	425,771	1.787	0.001	0.0001	0.00008	0.000000	0.000000	2,632	2,168	0.001		
A2c - Residential Lighting	66,327	6,775	(83,973)	(4,621)	6,978,668	1,737,826	1,997,366	3.392	(0.042)	(0.0023)	0.0001	(0.000001)	(0.000000)	4,016	3,494	0.000		
A3 - Residential Hard-to-Measure	-	-	-	-	-	1,547,698	1,471,972	-	-	-	-	-	-	-	-	-		
B - Low-Income	1,120	1,936	-	13,398	9,801,796	4,967,996	4,724,922	0.410	-	0.0028	0.0004	-	0.000003	1.973	2.074	0.002		
B1 - Low-Income Whole House	1,120	1,936	-	13,398	9,801,796	4,967,996	4,724,922	0.418	-	0.0029	0.0004	-	0.000003	2,016	2,119	0.002		
B1a - Low-Income Single Family Retrofit	720	1,450	-	6,345	5,388,361	3,375,495	3,210,339	0.452	-	0.0020	0.0006	-	0.000003	1,596	1,678	0.002		
B1b - Low-Income Multi-Family Retrofit	400	486	-	7,053	4,413,436	1,487,369	1,414,595	0.343	-	0.0050	0.0009	-	0.000012	2,967	3,120	0.008		
B2 - Low-Income Hard-to-Measure	-	-	-	-	-	105,132	99,988	-	-	-	-	-	-	-	-	-		
C - Commercial & Industrial	2,751	37,792	(161,601)	4,061	43,451,194	17,390,697	20,768,762	1.820	(0.008)	0.0002	0.0007	(0.000003)	0.000000	2.499	2.092	0.001		
C1 - C&I New Construction	87	1,859	(59,358)	(578)	3,642,512	1,356,795	1,470,322	1.264	(0.040)	(0.0004)	0.0145	(0.000464)	(0.000005)	2,685	2,477	0.028		
C1a - C&I New Buildings & Major Renovations	37	684	(2,781)	(578)	1,300,607	1,046,972	1,046,972	0.798	(0.003)	(0.0007)	0.0216	(0.000888)	(0.000018)	1,242	1,517	0.041		
C1b - C&I Initial Purchase & End of Useful Life	50	1,175	(56,577)	-	2,341,905	309,823	613,075	1.916	(0.092)	-	0.0383	(0.001846)	-	7,559	3,820	0.076		
C2 - C&I Retrofit	2,664	35,934	(102,244)	4,640	39,808,683	15,725,552	19,005,177	1.891	(0.005)	0.0007	0.00002	0.000000	0.000000	2,531	2,095	0.001		
C2a - C&I Existing Building Retrofit	163	5,927	3,403	(2,205)	9,014,622	3,889,721	4,250,227	1.395	0.001	(0.0005)	0.0086	0.000005	(0.000003)	2,318	2,121	0.013		
C2b - C&I Small Business	965	11,936	(38,620)	19,620	19,583,447	9,567,028	10,690,497	1.116	(0.004)	0.0012	0.00004	(0.000004)	0.00002	2,047	1,832	0.002		
C2c - C&I Multifamily Retrofit	336	354	300	335	692,709	815,852	795,614	0.444	0.000	0.0004	0.0013	0.000001	0.000001	0,849	0,871	0.003		
C2d - C&I Upstream Lighting	1,200	17,718	(67,327)	(13,111)	10,517,905	1,452,951	3,268,838	5.420	(0.021)	(0.0040)	0.0045	(0.000017)	(0.000003)	7,239	3,218	0.003		
C3 - C&I Hard-to-Measure	-	-	-	-	-	308,350	293,263	-	-	-	-	-	-	-	-	-		
Grand Total	81,216	57,012	80,681	56,097	107,229,218	46,071,154	52,646,338	1.083	0.002	0.0011	0.0000	0.000000	0.000000	2.327	2.037	0.000		

2016-2018 Planned Additional Filing Requirements																		
Program	Participants (#)	Annual Savings				Total Energy Benefits (\$)	Total Costs			Savings per TRC Costs			Savings per Participant per TRC Costs			Total Energy Benefits		
		Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	Program Costs (Nominal \$)		TRC Test Costs (2013\$)	Electric Energy (kWh/\$)	Natural Gas (Therms/\$)	Oil (MMBTU/\$)	Electric Energy (kWh/#/\$)	Natural Gas (Therms/#/\$)	Oil (MMBTU/#/\$)	per Program Costs (\$/S)	per TRC Costs (\$/S)	per Participant per TRC Costs (\$/#/S)		
		A - Residential	251,967	57,436	633,895		101,521	157,638,723	67,991,662	80,428,557	0.714	0.008	0.0013	0.00000	0.00000	0.00000	2.319	1.960
A1 - Residential Whole House	10,645	24,614	946,459	119,257	121,804,370	50,849,827	59,351,535	0.415	0.016	0.0020	0.0000	0.000001	0.000000	2,395	2,052	0.000		
A1a - Residential New Construction	268	1,760	1,827	145	7,400,449	1,387,458	2,066,771	0.852	0.001	0.0032	0.00003	0.000000	0.000000	5,334	3,581	0.013		
A1b - Residential Multi-Family Retrofit	979	1,086	852	984	2,068,155	2,323,957	2,312,782	0.469	0.000	0.0004	0.0005	0.000000	0.000000	0,890	0,894	0.001		
A1c - Residential Home Energy Services - Measures	8,198	21,218	923,500	116,993	111,231,585	40,895,257	48,885,821	0.434	0.019	0.0024	0.0001	0.00002	0.000000	2,720	2,275	0.000		
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	5,261,782	5,129,039	-	-	-	-	-	-	-	-	-		
A1e - Residential Behavior/Feedback Program	1,200	550	20,280	1,134	1,104,180	981,373	957,122	0.575	0.021	0.0012	0.0005	0.000018	0.000001	1,125	1,154	0.001		
A2 - Residential Products	241,322	32,822	(312,563)	(17,736)	35,834,353	12,691,029	16,738,665	1.961	(0.019)	(0.0011)	0.0000	(0.000000)	(0.000000)	2.824	2.141	0.000		
A2a - Residential Heating & Cooling Equipment	14,153	4,285	(12,247)	-	7,634,442	5,805,097	8,100,120	0.529	(0.002)	-	0.0000	(0.000000)	-	1,315	0,943	0.000		
A2b - Residential Consumer Products	7,410	2,420	666	76	2,972,862	1,117,099	1,396,806	1.733	0.000	0.0001	0.0002	0.000000	0.000000	2,661	2,128	0.000		
A2c - Residential Lighting	219,759	26,116	(300,982)	(17,811)	25,227,049	5,768,834	7,241,738	3.606	(0.042)	(0.0025)	0.0000	(0.000000)	(0.000000)	4,373	3,484	0.000		
A3 - Residential Hard-to-Measure	-	-	-	-	-	4,450,806	4,338,357	-	-	-	-	-	-	-	-	-		
B - Low-Income	2,880	5,340	-	38,001	27,182,335	13,477,511	13,123,860	0.407	-	0.0029	0.0001	-	0.000001	2.017	2.071	0.001		
B1 - Low-Income Whole House	2,880	5,340	-	38,001	27,182,335	13,175,811	12,829,799	0.416	-	0.0030	0.0001	-	0.000001	2,063	2,119	0.001		
B1a - Low-Income Single Family Retrofit	1,920	4,061	-	17,235	14,456,494	9,077,524	8,838,963	0.459	-	0.0019	0.0002	-	0.000001	1,593	1,636	0.001		
B1b - Low-Income Multi-Family Retrofit	960	1,279	-	20,766	12,725,841	4,098,288	3,990,827	0.320	-	0.0052	0.0003	-	0.000005	3,105	3,189	0.003		
B2 - Low-Income Hard-to-Measure	-	-	-	-	-	301,700	294,070	-	-	-	-	-	-	-	-	-		
C - Commercial & Industrial	7,468	109,220	(608,049)	(13,119)	122,910,092	44,999,106	57,265,271	1.907	(0.011)	(0.0002)	0.0003	(0.000001)	(0.000000)	2.731	2.146	0.000		
C1 - C&I New Construction	261	7,148	(291,344)	(1,671)	13,570,302	4,006,049	5,456,253	1.310	(0.053)	(0.0003)	0.0050	(0.000205)	(0.000001)	3,387	2,487	0.010		
C1a - C&I New Buildings & Major Renovations	111	1,674	(8,026)	(1,671)	3,226,002	3,178,055	2,674,832	0.626	(0.006)	(0.00027)	0.0056	(0.000027)	(0.000006)	1,015	1,206	0.011		
C1b - C&I Initial Purchase & End of Useful Life	150	5,474	(383,318)	-	10,344,299	827,994	2,781,421	1.968	(0.102)	-	0.0131	(0.000679)	-	12,493	3,719	0.025		
C2 - C&I Retrofit	7,207	102,072	(316,705)	(11,448)	109,339,790	40,053,121	50,891,764	2.006	(0.006)	0.0001	0.00001	0.000000	0.000000	2,730	2,148	0.000		
C2a - C&I Existing Building Retrofit	473	15,034	15,522	(4,982)	24,136,017	10,827,972	11,914,841	1.262	0.001	(0.0004)	0.0027	0.000003	(0.000001)	2,229	2,026	0.004		
C2b - C&I Small Business	2,155	28,484	(114,726)	35,086	46,731,422	22,486,120	25,787,106	1.105	(0.004)	0.0005	0.00002	(0.000002)	0.000001	2,078	1,812	0.001		
C2c - C&I Multifamily Retrofit	979	1,086	880	975	2,075,491	2,325,047	2,313,706	0.469	0.000	0.0004	0.0005	0.000000	0.000000	0,893	0,897	0.001		
C2d - C&I Upstream Lighting	3,600	57,469	(218,380)	(42,527)	36,396,859	4,413,983												

IV.B. Electric PA Funding Sources

1. Summary Table

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Total Electric Funding Sources							
Sector	SBC	FCM	RGGI	Other	Carryover	EERF	Total
A - Residential	2,661,134	481,710	2,336,486	-	(3,630,392)	20,000,947	21,849,887
B - Low-Income	159,697	28,908	140,215	-	(521,846)	4,238,538	4,045,512
C - Commercial & Industrial	2,211,046	400,237	1,941,307	-	903,948	7,234,080	12,690,618
Grand Total	5,031,877	910,855	4,418,008	-	(3,248,289)	31,473,566	38,586,017

2017 Total Electric Funding Sources							
Sector	SBC	FCM	RGGI	Other	Carryover	EERF	Total
A - Residential	2,651,843	1,074,055	2,707,486	-	-	16,404,254	22,837,638
B - Low-Income	159,018	64,406	162,354	-	-	4,078,226	4,464,004
C - Commercial & Industrial	2,198,913	890,609	2,245,053	-	-	9,628,586	14,963,161
Grand Total	5,009,774	2,029,070	5,114,894	-	-	30,111,065	42,264,803

2018 Total Electric Funding Sources							
Sector	SBC	FCM	RGGI	Other	Carryover	EERF	Total
A - Residential	2,628,108	2,891,886	2,757,003	-	-	15,750,192	24,027,189
B - Low-Income	157,604	173,422	165,333	-	-	4,471,636	4,967,996
C - Commercial & Industrial	2,176,967	2,395,465	2,283,736	-	-	10,569,499	17,425,667
Grand Total	4,962,679	5,460,774	5,206,072	-	-	30,791,327	46,420,852

2016-2018 Total Electric Funding Sources							
Sector	SBC	FCM	RGGI	Other	Carryover	EERF	Total
A - Residential	7,941,085	4,447,652	7,800,975	-	(3,630,392)	52,155,393	68,714,714
B - Low-Income	476,319	266,736	467,903	-	(521,846)	12,788,400	13,477,511
C - Commercial & Industrial	6,586,926	3,686,311	6,470,095	-	903,948	27,432,166	45,079,446
Grand Total	15,004,329	8,400,699	14,738,973	-	(3,248,289)	92,375,958	127,271,671

Notes:

For supporting information on SBC collections, see Table IV.B.3.1.

For supporting information on FCM revenue, see Table IV.B.3.2.

For supporting information on RGGI proceeds, see Table IV.B.3.3.

For supporting information on other funding see, Additional Sources of Information.

For supporting information on estimated carryover, see Table IV.B.3.5.

For supporting information on the EERF, see Table IV.B.3.6.

Funding sources for each year in 2016-2018 are represented in nominal dollars (2016\$, 2017\$, 2018\$).

The total funding in the above tables includes cost recovery associated with the Cape Light Compact's Demand Response Demonstration Offering.

2016 Funding as a Percent of Total Electric Funding Sources								
Sector	SBC	FCM	RGGI	Other	Carryover	EERF	Total	
A - Residential	12%	2%	11%	0%	-17%	92%	100%	
B - Low-Income	4%	1%	3%	0%	-13%	105%	100%	
C - Commercial & Industrial	17%	3%	15%	0%	7%	57%	100%	
Grand Total	13%	2%	11%	0%	-8%	82%	100%	

2017 Funding as a Percent of Total Electric Funding Sources								
Sector	SBC	FCM	RGGI	Other	Carryover	EERF	Total	
A - Residential	12%	5%	12%	0%	n/a	72%	100%	
B - Low-Income	4%	1%	4%	0%	n/a	91%	100%	
C - Commercial & Industrial	15%	6%	15%	0%	n/a	64%	100%	
Grand Total	12%	5%	12%	0%	0%	71%	100%	

2018 Funding as a Percent of Total Electric Funding Sources								
Sector	SBC	FCM	RGGI	Other	Carryover	EERF	Total	
A - Residential	11%	12%	11%	0%	n/a	66%	100%	
B - Low-Income	3%	3%	3%	0%	n/a	90%	100%	
C - Commercial & Industrial	12%	14%	13%	0%	n/a	61%	100%	
Grand Total	11%	12%	11%	0%	0%	66%	100%	

2016-2018 Funding as a Percent of Total Electric Funding Sources								
Sector	SBC	FCM	RGGI	Other	Carryover	EERF	Total	
A - Residential	12%	6%	11%	0%	-5%	76%	100%	
B - Low-Income	4%	2%	3%	0%	-4%	95%	100%	
C - Commercial & Industrial	15%	8%	14%	0%	2%	61%	100%	
Grand Total	12%	7%	12%	0%	-3%	73%	100%	

IV.B. Electric PA Funding Sources

3.1. System Benefit Charge Funds

D.P.U. 15-166

Cape Light Compact

Exh. Compact-4, Data Tables

October 30, 2015

H.O.s Leupold and Hale

2016 System Benefit Charge Collections				
Sector	Sales (kWh)	SBC Charge (\$/kWh)	Collections	
			(\$)	(% of Total)
A - Residential	1,064,453,728	0.0025	2,661,134	52.9%
B - Low-Income	63,878,852	0.0025	159,697	3.2%
C - Commercial & Industrial	884,418,308	0.0025	2,211,046	43.9%
Grand Total	2,012,750,888		5,031,877	100%

2017 System Benefit Charge Collections				
Sector	Sales (kWh)	SBC Charge (\$/kWh)	Collections	
			(\$)	(% of Total)
A - Residential	1,060,737,069	0.0025	2,651,843	52.9%
B - Low-Income	63,607,079	0.0025	159,018	3.2%
C - Commercial & Industrial	879,565,317	0.0025	2,198,913	43.9%
Grand Total	2,003,909,465		5,009,774	100%

2018 System Benefit Charge Collections				
Sector	Sales (kWh)	SBC Charge (\$/kWh)	Collections	
			(\$)	(% of Total)
A - Residential	1,051,243,165	0.0025	2,628,108	53.0%
B - Low-Income	63,041,539	0.0025	157,604	3.2%
C - Commercial & Industrial	870,786,737	0.0025	2,176,967	43.9%
Grand Total	1,985,071,441		4,962,679	100%

2016-2018 System Benefit Charge Collections				
Sector	Sales (kWh)	SBC Charge (\$/kWh)	Collections	
			(\$)	(% of Total)
A - Residential	3,176,433,962	0.0025	7,941,085	52.9%
B - Low-Income	190,527,469	0.0025	476,319	3.2%
C - Commercial & Industrial	2,634,770,363	0.0025	6,586,926	43.9%
Grand Total	6,001,731,794		15,004,329	100%

Notes:

Collections are the sales multiplied by the SBC charge.

Consistent with the Department's Energy Efficiency Guidelines § 3.2.1.2, electric Program Administrators allocate revenue from the System Benefits Charge to the residential, low-income, and commercial and industrial customer sectors in proportion to the sector's kilowatt-hour consumption.

IV.B. Electric PA Funding Sources

3.2. Forward Capacity Market Proceeds

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Forward Capacity Market Revenue									
Auction	New or Existing	Zone (NEMA, SEMA, or WCMA)	Jan 2016 - May 2016			June 2016 - Dec 2016			Total Revenue (\$)
			Savings (kW)	Price (\$)	Revenue (\$)	Savings (kW)	Price (\$)	Revenue (\$)	
FCA-1	Existing	SEMA	8,864	3.43	152,195	8,163	3.15	179,994	332,189
FCA-2	Existing	SEMA	2,014	3.60	36,252	2,014	3.15	44,409	80,661
FCA-3	Existing	SEMA	2,420	2.95	35,695	2,420	2.95	49,973	85,668
FCA-4	Existing	SEMA	3,814	2.95	56,257	3,814	2.95	78,759	135,016
FCA-5	Existing	SEMA	2,000	3.21	32,100	2,000	3.21	44,940	77,040
FCA-6	New	SEMA	3,240	3.43	55,631	-	-	-	55,631
FCA-6	Existing	SEMA	-	-	-	3,240	3.43	77,883	77,883
FCA-7	New	SEMA	-	-	-	3,028	3.15	66,767	66,767
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
Grand Total			22,352	n/a	368,129	24,679	n/a	542,725	910,855

2017 Forward Capacity Market Revenue									
Auction	New or Existing	Zone (NEMA, SEMA, or WCMA)	Jan 2017 - May 2017			June 2017 - Dec 2017			Total Revenue (\$)
			Savings (kW)	Price (\$)	Revenue (\$)	Savings (kW)	Price (\$)	Revenue (\$)	
FCA-1	Existing	SEMA	8,163	3.15	128,567	7,303	7.03	359,125	487,692
FCA-2	Existing	SEMA	2,014	3.15	31,721	2,014	7.03	99,038	130,759
FCA-3	Existing	SEMA	2,420	2.95	35,695	2,420	7.03	119,088	154,783
FCA-4	Existing	SEMA	3,814	2.95	56,257	3,814	2.95	78,786	135,042
FCA-5	Existing	SEMA	2,000	3.21	32,100	2,000	3.21	44,926	77,026
FCA-6	Existing	SEMA	3,240	3.43	55,631	3,240	3.43	77,883	133,514
FCA-7	New	SEMA	3,028	3.15	47,691	-	-	-	47,691
FCA-7	Existing	SEMA	-	-	-	3,028	3.15	66,767	66,767
FCA-8	New	SEMA	-	-	-	7,579	15.00	795,795	795,795
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
Grand Total			24,679	n/a	387,661	31,398	n/a	1,641,409	2,029,070

2018 Forward Capacity Market Revenue									
Auction	New or Existing	Zone (NEMA, SEMA, or WCMA)	Jan 2018 - May 2018			June 2018 - Dec 2018			Total Revenue (\$)
			Savings (kW)	Price (\$)	Revenue (\$)	Savings (kW)	Price (\$)	Revenue (\$)	
FCA-1	Existing	SEMA	7,303	7.03	256,518	-	-	-	256,518
FCA-2	Existing	SEMA	2,014	7.03	70,742	-	-	-	70,742
FCA-3	Existing	SEMA	2,420	7.03	85,063	-	-	-	85,063
FCA-4	Existing	SEMA	3,814	2.95	56,276	-	-	-	56,276
FCA-5	Existing	SEMA	2,000	3.21	32,090	-	-	-	32,090
FCA-6	Existing	SEMA	3,240	3.43	55,631	-	-	-	55,631
FCA-7	Existing	SEMA	3,028	3.15	47,691	-	-	-	47,691
FCA-8	New	SEMA	7,579	15.00	568,425	-	-	-	568,425
FCA-1 through FCA-8	Existing	SEMA	-	-	-	30,377	11.08	2,356,040	2,356,040
FCA-9	New	SEMA	-	-	-	15,571	17.73	1,932,299	1,932,299
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			-	-	-	-	-	-	-
Grand Total			31,398	n/a	1,172,435	45,948	n/a	4,288,339	5,460,774

Allocation of 2016-2018 Forward Capacity Market Revenue								
Sector	2016		2017		2018		2016-2018	
	FCM Revenue (\$)	% of FCM Revenue	FCM Revenue (\$)	% of FCM Revenue	FCM Revenue (\$)	% of FCM Revenue	FCM Revenue (\$)	% of FCM Revenue
Residential	481,710	52.9%	1,074,055	52.9%	2,891,886	53.0%	4,447,652	52.9%
Low-Income	28,908	3.2%	64,406	3.2%	173,422	3.2%	266,736	3.2%
Commercial & Industrial	400,237	43.9%	890,609	43.9%	2,395,465	43.9%	3,686,311	43.9%
Grand Total	910,855	100%	2,029,070	100%	5,460,774	100%	8,400,699	100%

Notes:
Revenue is allocated across customer sector based on percentage allocation of kWh sales. See Table IV.B.3.1.
Each Program Administrator completes this table according to how their FCM resources have cleared in each auction.

IV.B. Electric PA Funding Sources

3.3. RGGI Proceeds

Cape Light Compact

October 30, 2015

D.P.U. 15-166

Exh. Compact-4, Data Tables

H.O.s Leupold and Hale

Forecasted Massachusetts RGGI CO ₂ Allowances and Proceeds				
Annual Allowance Base Budget	2015	2016	2017	2018
Allowance Budget, based on the RGGI Adjusted Cap	10,591,981	10,238,857	10,079,934	9,739,612
Voluntary Renewable Energy (VRE)	25,214	20,472	17,637	29,883
Final Allowances Available for Auction	10,566,767	10,218,385	10,062,297	9,709,729
2015 Auction Results	Auction 27	Auction 28	Auction 29	
Allowances Sold	2,641,692	2,641,692	4,255,660	
Clearing Price (\$/allowance)	\$ 5.41	\$ 5.50	\$ 6.02	
Proceeds from Allowances Sold	\$ 14,291,554	\$ 14,529,306	\$ 25,619,073	
Forecasted Proceeds	2015	2016	2017	2018
Remaining Allowance Budget	1,027,723	10,218,385	10,062,297	9,709,729
Forward Price, based on IPM 91 Cap (\$/allowance) (2010\$)	\$ 5.44	\$ 6.76	\$ 7.52	\$ 7.52
Forward Price, based on IPM 91 Cap (\$/allowance) (nominal dollars)	\$ 6.04	\$ 7.68	\$ 8.74	\$ 8.94
Proceeds from Remaining Allowance Budget	\$ 6,207,447	\$ 78,477,197	\$ 87,944,476	\$ 86,804,977
Cost Containment Reserve (CCR)	\$ -	\$ -	\$ -	\$ -
Total Massachusetts RGGI Proceeds	\$ 60,647,380	\$ 78,477,197	\$ 87,944,476	\$ 86,804,977

Notes:

The information in the above table was provided to the Massachusetts Program Administrators by the Massachusetts Department of Energy Resources. The forecasts are based on the modeling tool used to forecast RGGI, Integrated Planning Model (IPM). The 91 Cap refers to the 2014 total RGGI Cap of 91 million allowances for all RGGI states. The RGGI Adjusted Cap accounts for banked allowances. For more information, refer to <https://www.rggi.org/design/overview/cap>.

The Forward Prices from the IPM results were converted from 2010\$ to nominal dollars (2016\$, 2017\$, 2018\$) using the consumer price index (CPI) for 2010 through 2015, and the ten year average CPI.

Allocation of Forecasted Massachusetts RGGI Proceeds					
Allocation of Total Massachusetts RGGI Proceeds	2015	2016	2017	2018	Total
DOER's RGGI Administration Costs (about 6% of total proceeds)	\$ 3,790,461	\$ 4,904,825	\$ 5,496,530	\$ 5,425,311	
Remaining Proceeds After Allocation to DOER	\$ 56,856,919	\$ 73,572,372	\$ 82,447,946	\$ 81,379,666	
80% of Remaining Proceeds Allocated to Energy Efficiency	\$ 45,485,535	\$ 58,857,898	\$ 65,958,357	\$ 65,103,733	
EEAC Consultants Budget, based on 2015 EEAC Consultant Budget	\$ 560,000	\$ 560,000	\$ 560,000	\$ 560,000	
Proceeds Allocated to Program Administrators	\$ 44,925,535	\$ 58,297,898	\$ 65,398,357	\$ 64,543,733	
PA Proceeds Received in 2016 (last 2015 auction, first three 2016 auctions)	\$ 11,231,384	\$ 43,723,423			\$ 54,954,807
PA Proceeds Received in 2017 (last 2016 auction, first three 2017 auctions)		\$ 14,574,474	\$ 49,048,768		\$ 63,623,242
PA Proceeds Received in 2018 (last 2017 auction, first three 2018 auctions)			\$ 16,349,589	\$ 48,407,800	\$ 64,757,389
Allocation of Proceeds to Cape Light Compact	2015	2016	2017	2018	Total
Allocation to Cape Light Compact, based on Percentage of Statewide Customers	8.04%	8.04%	8.04%	8.04%	
Cape Light Compact's Forecasted Proceeds	\$ 3,611,720	\$ 4,686,771	\$ 5,257,601	\$ 5,188,895	
Proceeds Received in 2016 (last 2015 auction, first three 2016 auctions)	\$ 902,930	\$ 3,515,078			\$ 4,418,008
Proceeds Received in 2017 (last 2016 auction, first three 2017 auctions)		\$ 1,171,693	\$ 3,943,201		\$ 5,114,894
Proceeds Received in 2018 (last 2017 auction, first three 2018 auctions)			\$ 1,314,400	\$ 3,891,671	\$ 5,206,072

Notes:

There is an approximately three-month lag between the completion of an auction and receipt of proceeds from that auction by the Program Administrators. The Program Administrators have accounted for this time lag in the table above to better reflect calendar-year energy efficiency revenue.

Program Administrator Allocation of RGGI Proceeds to Customer Sectors								
Sector	2016		2017		2018		TOTAL	
	RGGI Funds	% of Total RGGI Funds	RGGI Funds	% of Total RGGI Funds	RGGI Funds	% of Total RGGI Funds	RGGI Funds	% of Total RGGI Funds
A - Residential	\$2,336,486	52.9%	\$2,707,486	52.9%	\$2,757,003	53.0%	\$7,800,975	52.9%
B - Low-Income	\$140,215	3.2%	\$162,354	3.2%	\$165,333	3.2%	\$467,903	3.2%
C - Commercial & Industrial	\$1,941,307	43.9%	\$2,245,053	43.9%	\$2,283,736	43.9%	\$6,470,095	43.9%
Grand Total	\$4,418,008	100.0%	\$5,114,894	100.0%	\$5,206,072	100.0%	\$14,738,973	100.0%

Notes:

RGGI Proceeds are allocated to each customer sector based on the sector's percentage of kWh sales. See Table IV.B.3.1.

IV.B. Program Administrator Funding Sources

3.5. Carryover

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

Estimated 2015 Carryover into 2016										
Sector	2013-2015 Planned		2013-2015 Actual		2013-2015 Beginning Balance (Carryover from 2012)	2015 Ending Balance w/o Interest (Carryover from 2015)	Interest on Carryover	Total 2015 Carryover into 2016	Total 2015 Carryover into 2017	Total 2015 Carryover into 2018
	Funding	Budget	Revenue	Expenditures						
A - Residential	46,946,263	42,605,982	60,990,882	58,111,072	(6,495,518)	(3,615,708)	(14,683)	(3,630,392)	-	-
B - Low-Income	2,142,876	10,266,706	11,728,380	10,338,445	(1,912,522)	(522,587)	741	(521,846)	-	-
C - Commercial & Industrial	34,497,513	30,713,963	37,218,017	35,593,807	(734,937)	889,273	14,675	903,948	-	-
Grand Total	83,586,651	83,586,651	109,937,279	104,043,324	(9,142,977)	(3,249,022)	733	(3,248,289)	-	-

Notes:

The above table provides an estimate of the carryover from the 2013-2015 Three-Year Plan. The Program Administrator's actual 2013-2015 carryover for collection in 2016 will be presented in its Energy Efficiency Reconciliation Factor filing. Please refer to Exhibit Compact-6 for more detail on the Compact's estimated EES rates and associated bill impacts for 2016 through 2018.

The 2015 Carryover into 2016 includes carryover from the 2010-2012 plan into the 2013-2015 plan, as well as the ending balance from the 2013-2015 plan.

A positive carryover value indicates an under-spending/over-recovery, while a negative carryover value indicates an over-spending/under-recovery.

2015 Actual Revenue and Expenditures are projected through the end of the year.

The 2015 Carryover into 2017 and 2018 is intended to be completed by National Grid only.

IV.B. Electric PA Funding Sources

3.6. EERF

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Energy Efficiency Reconciliation Factor Funds						
Sector	Total Program Administrator Budget	Lost Base Revenue	SBC + FCM + RGGI + Other Funds + Carryover	EERF Funding Required for Each Sector	Low-Income Subsidization	EERF Funding Collected From Each Sector
Residential	21,849,887		1,848,939	20,000,947	1,790,564	21,791,511
Low-Income	4,045,512		(193,026)	4,238,538	107,453	107,453
Commercial & Industrial	12,690,618		5,456,538	7,234,080	2,340,521	9,574,601
Grand Total	38,586,017	-	7,112,451	31,473,566	4,238,538	31,473,566

2017 Energy Efficiency Reconciliation Factor Funds						
Sector	Total Program Administrator Budget	Lost Base Revenue	SBC + FCM + RGGI + Other Funds + Carryover	EERF Funding Required for Each Sector	Low-Income Subsidization	EERF Funding Collected From Each Sector
Residential	22,837,638		6,433,384	16,404,254	1,722,915	18,127,169
Low-Income	4,464,004		385,778	4,078,226	103,315	103,315
Commercial & Industrial	14,963,161		5,334,575	9,628,586	2,251,996	11,880,582
Grand Total	42,264,803	-	12,153,737	30,111,065	4,078,226	30,111,065

2018 Energy Efficiency Reconciliation Factor Funds						
Sector	Total Program Administrator Budget	Lost Base Revenue	SBC + FCM + RGGI + Other Funds + Carryover	EERF Funding Required for Each Sector	Low-Income Subsidization	EERF Funding Collected From Each Sector
Residential	24,027,189		8,276,997	15,750,192	1,889,111	17,639,303
Low-Income	4,967,996		496,360	4,471,636	113,287	113,287
Commercial & Industrial	17,425,667		6,856,168	10,569,499	2,469,238	13,038,737
Grand Total	46,420,852	-	15,629,524	30,791,327	4,471,636	30,791,327

2016-2018 Energy Efficiency Reconciliation Factor Funds						
Sector	Total Program Administrator Budget	Lost Base Revenue	SBC + FCM + RGGI + Other Funds + Carryover	EERF Funding Required for Each Sector	Low-Income Subsidization	EERF Funding Collected From Each Sector
Residential	68,714,714	-	16,559,321	52,155,393	5,402,590	57,557,983
Low-Income	13,477,511	-	689,111	12,788,400	324,055	324,055
Commercial & Industrial	45,079,446	-	17,647,280	27,432,166	7,061,754	34,493,920
Grand Total	127,271,671	-	34,895,713	92,375,958	12,788,400	92,375,958

Notes:

For supporting information on the Total Program Administrator Budget, which includes Performance Incentives, see Table IV.C.1.3.

EERF Revenue Required = Total Program Administrator Budget + Lost Base Revenue - (SBC + FCM + RGGI + Other Funds + Carryover Funds)

For supporting information on the EERF calculation, refer to the Program Administrator's EERF exhibit.

Eversource (NSTAR) is the only electric Program Administrator that collects Lost Base Revenue (LBR). All other electric Program Administrators except for the Cape Light Compact have a revenue decoupling mechanism in place and do not estimate LBR. LBR is not applicable to the Cape Light Compact.

The total funding in the above tables includes cost recovery associated with the Cape Light Compact's Demand Response Demonstration Offering.

IV.C. Program Administrator Budgets

1. Summary Table

Cape Light Compact

October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Program Administrator Budget										
Program	Program Costs						Performance Incentive	Total Program Administrator Budget	Program Cost per Participant	Energy Benefit per Program Cost
	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs				
A - Residential	1,285,386	480,821	14,576,674	4,562,195	777,503	21,682,579	-	21,682,579	236.77	2.36
A1 - Residential Whole House	843,275	185,742	10,558,564	3,803,069	622,250	16,012,900	-	16,012,900	4,768.58	2.36
A1a - Residential New Construction	23,870	7,255	321,481	83,053	16,522	452,182	-	452,182	4,969.03	5.43
A1b - Residential Multi-Family Retrofit	39,623	24,366	427,406	231,773	27,425	750,593	-	750,593	2,367.80	0.96
A1c - Residential Home Energy Services - Measures	679,132	100,331	9,645,146	1,870,262	505,444	12,800,315	-	12,800,315	4,923.20	2.67
A1d - Residential Home Energy Services - RCS	88,968	37,503	-	1,497,286	61,578	1,685,335	-	1,685,335	-	-
A1e - Residential Behavior/Feedback Program	11,681	16,287	164,531	120,695	11,282	324,476	-	324,476	927.07	1.16
A2 - Residential Products	224,307	141,465	3,145,610	582,459	155,252	4,249,094	-	4,249,094	48.16	3.16
A2a - Residential Heating & Cooling Equipment	91,779	28,613	1,364,500	190,167	63,524	1,738,582	-	1,738,582	383.79	1.37
A2b - Residential Consumer Products	20,012	25,955	158,788	160,490	13,851	379,097	-	379,097	150.44	2.71
A2c - Residential Lighting	112,516	86,898	1,622,322	231,803	77,877	2,131,416	-	2,131,416	26.26	4.69
A3 - Residential Hard-to-Measure	217,804	153,614	872,500	176,667	-	1,420,585	-	1,420,585	-	-
A3a - Residential Statewide Marketing	-	112,971	-	-	-	112,971	-	112,971	-	-
A3b - Residential Statewide Database	13,366	-	-	-	-	13,366	-	13,366	-	-
A3c - Residential DOER Assessment	146,324	-	-	-	-	146,324	-	146,324	-	-
A3d - Residential EEAC Consultants	-	-	-	-	-	-	-	-	-	-
A3e - Residential Sponsorships & Subscriptions	2,366	-	-	-	-	2,366	-	2,366	-	-
A3f - Residential HEAT Loan	55,748	12,143	850,000	99,567	-	1,017,457	-	1,017,457	-	-
A3g - Residential Workforce Development	-	-	-	19,600	-	19,600	-	19,600	-	-
A3h - Residential R&D and Demonstration	-	3,500	22,500	57,500	-	83,500	-	83,500	-	-
A3i - Residential Education	-	25,000	-	-	-	25,000	-	25,000	-	-
B - Low-Income	271,525	54,348	2,845,870	718,718	155,051	4,045,512	-	4,045,512	5,056.89	2.01
B1 - Low-Income Whole House	198,201	31,488	2,845,870	718,718	155,051	3,949,328	-	3,949,328	4,936.66	2.06
B1a - Low-Income Single Family Retrofit	137,445	24,288	1,933,450	535,995	107,521	2,738,699	-	2,738,699	4,890.53	1.59
B1b - Low-Income Multi-Family Retrofit	60,757	7,200	912,420	182,723	47,529	1,210,629	-	1,210,629	5,044.29	3.13
B2 - Low-Income Hard-to-Measure	73,324	22,860	-	-	-	96,184	-	96,184	-	-
B2a - Low-Income Statewide Marketing	-	22,860	-	-	-	22,860	-	22,860	-	-
B2b - Low-Income Statewide Database	2,705	-	-	-	-	2,705	-	2,705	-	-
B2c - Low-Income DOER Assessment	29,609	-	-	-	-	29,609	-	29,609	-	-
B2d - Low-Income Energy Affordability Network	36,010	-	-	-	-	36,010	-	36,010	-	-
B2e - Low-Income Sponsorships & Subscriptions	5,000	-	-	-	-	5,000	-	5,000	-	-
C - Commercial & Industrial	810,487	251,893	9,341,245	1,773,362	495,041	12,672,028	-	12,672,028	5,644.56	3.12
C1 - C&I New Construction	76,406	9,835	941,780	285,034	54,844	1,367,900	-	1,367,900	15,722.99	4.86
C1a - C&I New Buildings & Major Renovations	60,042	6,157	723,800	241,832	43,098	1,074,929	-	1,074,929	29,052.13	0.78
C1b - C&I Initial Purchase & End of Useful Life	16,364	3,678	217,980	43,202	11,746	292,971	-	292,971	5,859.42	19.85
C2 - C&I Retrofit	613,256	147,889	8,359,465	1,418,328	440,196	10,979,135	-	10,979,135	5,087.64	3.00
C2a - C&I Existing Building Retrofit	180,834	53,544	2,504,305	368,987	129,803	3,237,474	-	3,237,474	21,440.22	2.02
C2b - C&I Small Business	306,694	61,451	4,221,754	680,702	220,145	5,490,747	-	5,490,747	11,205.61	2.15
C2c - C&I Multifamily Retrofit	42,283	24,336	427,406	232,618	30,351	756,995	-	756,995	2,388.00	0.95
C2d - C&I Upstream Lighting	83,445	8,557	1,206,000	136,020	59,897	1,493,919	-	1,493,919	1,244.93	9.27
C3 - C&I Hard-to-Measure	120,825	94,169	40,000	70,000	-	324,994	-	324,994	-	-
C3a - C&I Statewide Marketing	-	74,169	-	-	-	74,169	-	74,169	-	-
C3b - C&I Statewide Database	8,775	-	-	-	-	8,775	-	8,775	-	-
C3c - C&I DOER Assessment	96,067	-	-	-	-	96,067	-	96,067	-	-
C3d - C&I EEAC Consultants	-	-	-	-	-	-	-	-	-	-
C3e - C&I Sponsorships & Subscriptions	15,983	-	-	-	-	15,983	-	15,983	-	-
C3f - C&I Workforce Development	-	20,000	-	60,000	-	80,000	-	80,000	-	-
C3g - C&I R&D and Demonstration	-	-	40,000	10,000	-	50,000	-	50,000	-	-
Grand Total	2,367,399	787,063	26,763,789	7,054,275	1,427,594	38,400,119	-	38,400,119	405.82	2.58

IV.C. Program Administrator Budgets

1. Summary Table

Cape Light Compact

October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2017 Program Administrator Budget										
Program	Program Costs						Performance Incentive	Total Program Administrator Budget	Program Cost per Participant	Energy Benefit per Program Cost
	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs				
A - Residential	1,179,890	482,830	15,355,597	4,802,522	775,781	22,596,621	-	22,596,621	272.11	2.32
A1 - Residential Whole House	774,000	181,994	11,299,894	4,015,560	628,299	16,899,747	-	16,899,747	4,768.55	2.41
A1a - Residential New Construction	20,652	7,093	311,251	95,170	15,745	449,911	-	449,911	5,171.39	5.23
A1b - Residential Multi-Family Retrofit	34,542	19,129	399,808	272,690	26,334	752,503	-	752,503	2,308.29	0.88
A1c - Residential Home Energy Services - Measures	628,268	101,366	10,420,221	1,957,940	514,162	13,621,958	-	13,621,958	4,987.90	2.74
A1d - Residential Home Energy Services - RCS	80,274	38,179	-	1,569,116	61,198	1,748,768	-	1,748,768	-	-
A1e - Residential Behavior/Feedback Program	10,263	16,227	168,614	120,644	10,860	326,608	-	326,608	816.52	1.13
A2 - Residential Products	193,453	148,372	3,130,704	594,341	147,482	4,214,350	-	4,214,350	53.01	2.80
A2a - Residential Heating & Cooling Equipment	88,480	29,575	1,535,440	206,573	67,454	1,927,522	-	1,927,522	408.59	1.31
A2b - Residential Consumer Products	17,775	34,875	159,788	161,247	13,551	387,236	-	387,236	153.67	2.64
A2c - Residential Lighting	87,198	83,922	1,435,476	226,520	66,476	1,899,592	-	1,899,592	26.29	4.34
A3 - Residential Hard-to-Measure	212,437	152,464	925,000	192,622	-	1,482,523	-	1,482,523	-	-
A3a - Residential Statewide Marketing	-	112,971	-	-	-	112,971	-	112,971	-	-
A3b - Residential Statewide Database	13,366	-	-	-	-	13,366	-	13,366	-	-
A3c - Residential DOER Assessment	146,324	-	-	-	-	146,324	-	146,324	-	-
A3d - Residential EEAC Consultants	-	-	-	-	-	-	-	-	-	-
A3e - Residential Sponsorships & Subscriptions	2,603	-	-	-	-	2,603	-	2,603	-	-
A3f - Residential HEAT Loan	50,144	7,993	892,500	103,522	-	1,054,159	-	1,054,159	-	-
A3g - Residential Workforce Development	-	-	-	19,600	-	19,600	-	19,600	-	-
A3h - Residential R&D and Demonstration	-	6,500	32,500	69,500	-	108,500	-	108,500	-	-
A3i - Residential Education	-	25,000	-	-	-	25,000	-	25,000	-	-
B - Low-Income	266,004	55,384	3,201,910	783,854	156,852	4,464,004	-	4,464,004	4,650.00	2.07
B1 - Low-Income Whole House	188,479	32,524	3,201,910	783,854	156,852	4,363,619	-	4,363,619	4,545.44	2.12
B1a - Low-Income Single Family Retrofit	127,996	24,654	2,119,850	584,311	106,518	2,963,329	-	2,963,329	4,630.20	1.59
B1b - Low-Income Multi-Family Retrofit	60,483	7,870	1,082,060	199,543	50,334	1,400,290	-	1,400,290	4,375.91	3.23
B2 - Low-Income Hard-to-Measure	77,525	22,860	-	-	-	100,384	-	100,384	-	-
B2a - Low-Income Statewide Marketing	-	22,860	-	-	-	22,860	-	22,860	-	-
B2b - Low-Income Statewide Database	2,705	-	-	-	-	2,705	-	2,705	-	-
B2c - Low-Income DOER Assessment	29,609	-	-	-	-	29,609	-	29,609	-	-
B2d - Low-Income Energy Affordability Network	40,211	-	-	-	-	40,211	-	40,211	-	-
B2e - Low-Income Sponsorships & Subscriptions	5,000	-	-	-	-	5,000	-	5,000	-	-
C - Commercial & Industrial	830,138	220,924	11,397,152	1,978,982	509,185	14,936,382	-	14,936,382	6,042.23	2.67
C1 - C&I New Construction	61,985	8,985	888,840	276,947	44,597	1,281,355	-	1,281,355	14,728.21	2.56
C1a - C&I New Buildings & Major Renovations	51,091	5,758	725,550	236,996	36,759	1,056,154	-	1,056,154	28,544.72	1.03
C1b - C&I Initial Purchase & End of Useful Life	10,894	3,228	163,290	39,950	7,838	225,200	-	225,200	4,504.00	9.72
C2 - C&I Retrofit	645,730	132,770	10,438,312	1,667,035	464,588	13,348,435	-	13,348,435	5,596.83	2.74
C2a - C&I Existing Building Retrofit	179,025	45,175	2,936,305	411,468	128,804	3,700,777	-	3,700,777	23,275.33	2.32
C2b - C&I Small Business	359,346	60,496	5,896,199	853,762	258,541	7,428,344	-	7,428,344	10,611.92	2.07
C2c - C&I Multifamily Retrofit	36,388	19,101	399,808	270,724	26,180	752,201	-	752,201	2,307.36	0.88
C2d - C&I Upstream Lighting	70,972	7,998	1,206,000	131,081	51,062	1,467,113	-	1,467,113	1,222.59	8.20
C3 - C&I Hard-to-Measure	122,423	79,169	70,000	35,000	-	306,592	-	306,592	-	-
C3a - C&I Statewide Marketing	-	74,169	-	-	-	74,169	-	74,169	-	-
C3b - C&I Statewide Database	8,775	-	-	-	-	8,775	-	8,775	-	-
C3c - C&I DOER Assessment	96,067	-	-	-	-	96,067	-	96,067	-	-
C3d - C&I EEAC Consultants	-	-	-	-	-	-	-	-	-	-
C3e - C&I Sponsorships & Subscriptions	17,581	-	-	-	-	17,581	-	17,581	-	-
C3f - C&I Workforce Development	-	5,000	-	20,000	-	25,000	-	25,000	-	-
C3g - C&I R&D and Demonstration	-	-	70,000	15,000	-	85,000	-	85,000	-	-
Grand Total	2,276,033	759,138	29,954,660	7,565,358	1,441,817	41,997,006	-	41,997,006	485.65	2.42

IV.C. Program Administrator Budgets

1. Summary Table

Cape Light Compact

October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2018 Program Administrator Budget										
Program	Program Costs						Performance Incentive	Total Program Administrator Budget	Program Cost per Participant	Energy Benefit per Program Cost
	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs				
A - Residential	1,198,196	500,873	16,208,191	5,032,909	772,293	23,712,462	-	23,712,462	306.58	2.28
A1 - Residential Whole House	796,620	198,089	12,075,690	4,234,795	631,986	17,937,179	-	17,937,179	4,792.19	2.42
A1a - Residential New Construction	21,602	7,658	343,630	96,367	16,109	485,365	-	485,365	5,392.95	5.35
A1b - Residential Multi-Family Retrofit	36,533	15,130	418,353	323,601	27,243	820,861	-	820,861	2,443.04	0.84
A1c - Residential Home Energy Services - Measures	647,022	117,943	11,141,009	2,049,465	517,546	14,472,984	-	14,472,984	5,048.13	2.74
A1d - Residential Home Energy Services - RCS	81,342	40,936	-	1,644,743	60,658	1,827,679	-	1,827,679	-	-
A1e - Residential Behavior/Feedback Program	10,121	16,421	172,698	120,620	10,430	330,289	-	330,289	733.98	1.08
A2 - Residential Products	188,152	143,170	3,160,377	595,578	140,308	4,227,585	-	4,227,585	57.44	2.51
A2a - Residential Heating & Cooling Equipment	95,198	32,868	1,712,940	226,998	70,990	2,138,993	-	2,138,993	436.08	1.27
A2b - Residential Consumer Products	15,611	25,942	152,288	145,283	11,641	350,766	-	350,766	148.00	2.63
A2c - Residential Lighting	77,343	84,360	1,295,149	223,298	57,676	1,737,826	-	1,737,826	26.20	4.02
A3 - Residential Hard-to-Measure	213,424	159,614	972,125	202,535	-	1,547,698	-	1,547,698	-	-
A3a - Residential Statewide Marketing	-	112,971	-	-	-	112,971	-	112,971	-	-
A3b - Residential Statewide Database	13,366	-	-	-	-	13,366	-	13,366	-	-
A3c - Residential DOER Assessment	146,324	-	-	-	-	146,324	-	146,324	-	-
A3d - Residential EEAC Consultants	-	-	-	-	-	-	-	-	-	-
A3e - Residential Sponsorships & Subscriptions	2,863	-	-	-	-	2,863	-	2,863	-	-
A3f - Residential HEAT Loan	50,870	9,143	937,125	107,935	-	1,105,073	-	1,105,073	-	-
A3g - Residential Workforce Development	-	-	-	19,600	-	19,600	-	19,600	-	-
A3h - Residential R&D and Demonstration	-	12,500	35,000	75,000	-	122,500	-	122,500	-	-
A3i - Residential Education	-	25,000	-	-	-	25,000	-	25,000	-	-
B - Low-Income	285,593	62,036	3,564,650	897,326	158,391	4,967,996	-	4,967,996	4,435.71	1.97
B1 - Low-Income Whole House	203,321	39,177	3,564,650	897,326	158,391	4,862,864	-	4,862,864	4,341.84	2.02
B1a - Low-Income Single Family Retrofit	141,133	29,641	2,424,950	669,827	109,945	3,375,495	-	3,375,495	4,688.19	1.60
B1b - Low-Income Multi-Family Retrofit	62,188	9,536	1,139,700	227,499	48,446	1,487,369	-	1,487,369	3,718.42	2.97
B2 - Low-Income Hard-to-Measure	82,272	22,860	-	-	-	105,132	-	105,132	-	-
B2a - Low-Income Statewide Marketing	-	22,860	-	-	-	22,860	-	22,860	-	-
B2b - Low-Income Statewide Database	2,705	-	-	-	-	2,705	-	2,705	-	-
B2c - Low-Income DOER Assessment	29,609	-	-	-	-	29,609	-	29,609	-	-
B2d - Low-Income Energy Affordability Network	44,958	-	-	-	-	44,958	-	44,958	-	-
B2e - Low-Income Sponsorships & Subscriptions	5,000	-	-	-	-	5,000	-	5,000	-	-
C - Commercial & Industrial	917,433	242,918	13,558,850	2,150,831	520,666	17,390,697	-	17,390,697	6,321.59	2.50
C1 - C&I New Construction	63,005	10,479	966,010	275,946	41,355	1,356,795	-	1,356,795	15,595.34	2.68
C1a - C&I New Buildings & Major Renovations	48,618	6,543	725,550	234,349	31,911	1,046,972	-	1,046,972	28,296.53	1.24
C1b - C&I Initial Purchase & End of Useful Life	14,387	3,936	240,460	41,596	9,443	309,823	-	309,823	6,196.46	7.56
C2 - C&I Retrofit	730,246	153,270	12,522,840	1,839,885	479,311	15,725,552	-	15,725,552	5,902.98	2.53
C2a - C&I Existing Building Retrofit	180,627	49,307	3,127,055	414,175	118,558	3,889,721	-	3,889,721	23,863.32	2.32
C2b - C&I Small Business	444,263	79,785	7,771,431	979,948	291,601	9,567,028	-	9,567,028	9,914.02	2.05
C2c - C&I Multifamily Retrofit	37,886	15,098	418,353	319,648	24,867	815,852	-	815,852	2,428.13	0.85
C2d - C&I Upstream Lighting	67,471	9,080	1,206,000	126,115	44,286	1,452,951	-	1,452,951	1,210.79	7.24
C3 - C&I Hard-to-Measure	124,181	79,169	70,000	35,000	-	308,350	-	308,350	-	-
C3a - C&I Statewide Marketing	-	74,169	-	-	-	74,169	-	74,169	-	-
C3b - C&I Statewide Database	8,775	-	-	-	-	8,775	-	8,775	-	-
C3c - C&I DOER Assessment	96,067	-	-	-	-	96,067	-	96,067	-	-
C3d - C&I EEAC Consultants	-	-	-	-	-	-	-	-	-	-
C3e - C&I Sponsorships & Subscriptions	19,339	-	-	-	-	19,339	-	19,339	-	-
C3f - C&I Workforce Development	-	5,000	-	20,000	-	25,000	-	25,000	-	-
C3g - C&I R&D and Demonstration	-	-	70,000	15,000	-	85,000	-	85,000	-	-
Grand Total	2,401,222	805,827	33,331,691	8,081,065	1,451,350	46,071,154	-	46,071,154	567.27	2.33

IV.C. Program Administrator Budgets

1. Summary Table

Cape Light Compact

October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016-2018 Program Administrator Budget										
Program	Program Costs						Performance Incentive	Total Program Administrator Budget	Program Cost per Participant	Energy Benefit per Program Cost
	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs				
A - Residential	3,663,473	1,464,524	46,140,463	14,397,626	2,325,576	67,991,662	-	67,991,662	269.84	2.32
A1 - Residential Whole House	2,413,895	565,825	33,934,147	12,053,424	1,882,535	50,849,827	-	50,849,827	4,776.87	2.40
A1a - Residential New Construction	66,124	22,007	976,362	274,590	48,375	1,387,458	-	1,387,458	5,177.08	5.33
A1b - Residential Multi-Family Retrofit	110,699	58,624	1,245,568	828,064	81,002	2,323,957	-	2,323,957	2,373.81	0.89
A1c - Residential Home Energy Services - Measures	1,954,524	319,640	31,206,376	5,877,667	1,537,151	40,895,257	-	40,895,257	4,988.44	2.72
A1d - Residential Home Energy Services - RCS	250,584	116,619	-	4,711,144	183,435	5,261,782	-	5,261,782	-	-
A1e - Residential Behavior/Feedback Program	32,065	48,935	505,842	361,959	32,572	981,373	-	981,373	817.81	1.13
A2 - Residential Products	605,912	433,007	9,436,690	1,772,378	443,041	12,691,029	-	12,691,029	52.59	2.82
A2a - Residential Heating & Cooling Equipment	275,456	91,055	4,612,880	623,738	201,968	5,805,097	-	5,805,097	410.18	1.32
A2b - Residential Consumer Products	53,399	86,772	470,864	467,020	39,044	1,117,099	-	1,117,099	150.76	2.66
A2c - Residential Lighting	277,057	255,180	4,352,946	681,621	202,029	5,768,834	-	5,768,834	26.25	4.37
A3 - Residential Hard-to-Measure	643,665	465,692	2,769,625	571,823	-	4,450,806	-	4,450,806	-	-
A3a - Residential Statewide Marketing	-	338,913	-	-	-	338,913	-	338,913	-	-
A3b - Residential Statewide Database	40,098	-	-	-	-	40,098	-	40,098	-	-
A3c - Residential DOER Assessment	438,973	-	-	-	-	438,973	-	438,973	-	-
A3d - Residential EEAC Consultants	-	-	-	-	-	-	-	-	-	-
A3e - Residential Sponsorships & Subscriptions	7,832	-	-	-	-	7,832	-	7,832	-	-
A3f - Residential HEAT Loan	156,763	29,279	2,679,625	311,023	-	3,176,690	-	3,176,690	-	-
A3g - Residential Workforce Development	-	-	-	58,800	-	58,800	-	58,800	-	-
A3h - Residential R&D and Demonstration	-	22,500	90,000	202,000	-	314,500	-	314,500	-	-
A3i - Residential Education	-	75,000	-	-	-	75,000	-	75,000	-	-
B - Low-Income	823,122	171,768	9,612,430	2,399,897	470,294	13,477,511	-	13,477,511	4,679.69	2.02
B1 - Low-Income Whole House	590,002	103,189	9,612,430	2,399,897	470,294	13,175,811	-	13,175,811	4,574.93	2.06
B1a - Low-Income Single Family Retrofit	406,573	78,583	6,478,250	1,790,133	323,985	9,077,524	-	9,077,524	4,727.88	1.59
B1b - Low-Income Multi-Family Retrofit	183,428	24,606	3,134,180	609,765	146,309	4,098,288	-	4,098,288	4,269.05	3.11
B2 - Low-Income Hard-to-Measure	233,121	68,580	-	-	-	301,700	-	301,700	-	-
B2a - Low-Income Statewide Marketing	-	68,580	-	-	-	68,580	-	68,580	-	-
B2b - Low-Income Statewide Database	8,114	-	-	-	-	8,114	-	8,114	-	-
B2c - Low-Income DOER Assessment	88,827	-	-	-	-	88,827	-	88,827	-	-
B2d - Low-Income Energy Affordability Network	121,180	-	-	-	-	121,180	-	121,180	-	-
B2e - Low-Income Sponsorships & Subscriptions	15,000	-	-	-	-	15,000	-	15,000	-	-
C - Commercial & Industrial	2,558,058	715,735	34,297,247	5,903,174	1,524,891	44,999,106	-	44,999,106	6,025.59	2.73
C1 - C&I New Construction	201,397	29,299	2,796,630	837,926	140,796	4,006,049	-	4,006,049	15,348.85	3.39
C1a - C&I New Buildings & Major Renovations	159,751	18,458	2,174,900	713,178	111,769	3,178,055	-	3,178,055	28,631.13	1.02
C1b - C&I Initial Purchase & End of Useful Life	41,646	10,842	621,730	124,749	29,028	827,994	-	827,994	5,519.96	12.49
C2 - C&I Retrofit	1,989,232	433,929	31,320,617	4,925,248	1,384,095	40,053,121	-	40,053,121	5,557.53	2.73
C2a - C&I Existing Building Retrofit	540,486	148,027	8,567,665	1,194,630	377,165	10,827,972	-	10,827,972	22,892.12	2.23
C2b - C&I Small Business	1,110,303	201,732	17,889,385	2,514,412	770,287	22,486,120	-	22,486,120	10,434.39	2.08
C2c - C&I Multifamily Retrofit	116,556	58,535	1,245,568	822,990	81,398	2,325,047	-	2,325,047	2,374.92	0.89
C2d - C&I Upstream Lighting	221,887	25,635	3,618,000	393,216	155,245	4,413,983	-	4,413,983	1,226.11	8.25
C3 - C&I Hard-to-Measure	367,429	252,507	180,000	140,000	-	939,936	-	939,936	-	-
C3a - C&I Statewide Marketing	-	222,507	-	-	-	222,507	-	222,507	-	-
C3b - C&I Statewide Database	26,325	-	-	-	-	26,325	-	26,325	-	-
C3c - C&I DOER Assessment	288,200	-	-	-	-	288,200	-	288,200	-	-
C3d - C&I EEAC Consultants	-	-	-	-	-	-	-	-	-	-
C3e - C&I Sponsorships & Subscriptions	52,904	-	-	-	-	52,904	-	52,904	-	-
C3f - C&I Workforce Development	-	30,000	-	100,000	-	130,000	-	130,000	-	-
C3g - C&I R&D and Demonstration	-	-	180,000	40,000	-	220,000	-	220,000	-	-
Grand Total	7,044,653	2,352,028	90,050,140	22,700,697	4,320,761	126,468,280	-	126,468,280	482.12	2.43

Notes:

Budgets for each year in 2016-2018 are represented in nominal dollars (2016\$, 2017\$, 2018\$).

Refer to common definitions for allocation of costs.

The electric Program Administrators do not budget for the EEAC Consultant fees, as these costs are paid by the DOER using RGGI proceeds.

The budgets in the above tables do not include costs associated with the Cape Light Compact's Demand Response Demonstration Offering.

IV.C. Program Administrator Budgets

1.2. Demand Response Budgets

Cape Light Compact

October 30, 2015

D.P.U. 15-166

Exh. Compact-4, Data Tables

H.O.s Leupold and Hale

2016 Demand Response Budget						
Sector	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs
A - Residential	\$ -	\$ 4,500	\$ 5,850	\$ 156,957	\$ -	\$ 167,307
B - Low-Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C - Commercial & Industrial	\$ -	\$ 500	\$ 650	\$ 17,440	\$ -	\$ 18,590
Grand Total	\$ -	\$ 5,000	\$ 6,500	\$ 174,397	\$ -	\$ 185,897

2017 Demand Response Budget						
Sector	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs
A - Residential	\$ -	\$ 4,500	\$ 11,700	\$ 224,817	\$ -	\$ 241,017
B - Low-Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C - Commercial & Industrial	\$ -	\$ 500	\$ 1,300	\$ 24,980	\$ -	\$ 26,780
Grand Total	\$ -	\$ 5,000	\$ 13,000	\$ 249,797	\$ -	\$ 267,797

2018 Demand Response Budget						
Sector	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs
A - Residential	\$ -	\$ 4,500	\$ 17,550	\$ 292,677	\$ -	\$ 314,727
B - Low-Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C - Commercial & Industrial	\$ -	\$ 500	\$ 1,950	\$ 32,520	\$ -	\$ 34,970
Grand Total	\$ -	\$ 5,000	\$ 19,500	\$ 325,197	\$ -	\$ 349,697

2016-2018 Demand Response Budget						
Sector	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs
A - Residential	\$ -	\$ 13,500	\$ 35,100	\$ 674,452	\$ -	\$ 723,052
B - Low-Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C - Commercial & Industrial	\$ -	\$ 1,500	\$ 3,900	\$ 74,940	\$ -	\$ 80,340
Grand Total	\$ -	\$ 15,000	\$ 39,000	\$ 749,392	\$ -	\$ 803,392

Notes:

For additional information on the Cape Light Compact's Demand Response Demonstration Offering, please refer to Exhibit Compact-11.

IV.C. Program Administrator Budgets

1.3. Proposed Budgets Inclusive of Demand Response

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Total Budget (Energy Efficiency Budget + Demand Response Budget)								
Sector	Program Costs						Performance Incentive	Total Program Administrator Budget
	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs		
A - Residential	\$ 1,285,386	\$ 485,321	\$ 14,582,524	\$ 4,719,153	\$ 777,503	\$ 21,849,887	\$ -	\$ 21,849,887
B - Low-Income	\$ 271,525	\$ 54,348	\$ 2,845,870	\$ 718,718	\$ 155,051	\$ 4,045,512	\$ -	\$ 4,045,512
C - Commercial & Industrial	\$ 810,487	\$ 252,393	\$ 9,341,895	\$ 1,790,802	\$ 495,041	\$ 12,690,618	\$ -	\$ 12,690,618
Grand Total	\$ 2,367,399	\$ 792,063	\$ 26,770,289	\$ 7,228,672	\$ 1,427,594	\$ 38,586,017	\$ -	\$ 38,586,017

2017 Total Budget (Energy Efficiency Budget + Demand Response Budget)								
Sector	Program Costs						Performance Incentive	Total Program Administrator Budget
	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs		
A - Residential	\$ 1,179,890	\$ 487,330	\$ 15,367,297	\$ 5,027,339	\$ 775,781	\$ 22,837,638	\$ -	\$ 22,837,638
B - Low-Income	\$ 266,004	\$ 55,384	\$ 3,201,910	\$ 783,854	\$ 156,852	\$ 4,464,004	\$ -	\$ 4,464,004
C - Commercial & Industrial	\$ 830,138	\$ 221,424	\$ 11,398,452	\$ 2,003,962	\$ 509,185	\$ 14,963,161	\$ -	\$ 14,963,161
Grand Total	\$ 2,276,033	\$ 764,138	\$ 29,967,660	\$ 7,815,155	\$ 1,441,817	\$ 42,264,803	\$ -	\$ 42,264,803

2018 Total Budget (Energy Efficiency Budget + Demand Response Budget)								
Sector	Program Costs						Performance Incentive	Total Program Administrator Budget
	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs		
A - Residential	\$ 1,198,196	\$ 505,373	\$ 16,225,741	\$ 5,325,586	\$ 772,293	\$ 24,027,189	\$ -	\$ 24,027,189
B - Low-Income	\$ 285,593	\$ 62,036	\$ 3,564,650	\$ 897,326	\$ 158,391	\$ 4,967,996	\$ -	\$ 4,967,996
C - Commercial & Industrial	\$ 917,433	\$ 243,418	\$ 13,560,800	\$ 2,183,351	\$ 520,666	\$ 17,425,667	\$ -	\$ 17,425,667
Grand Total	\$ 2,401,222	\$ 810,827	\$ 33,351,191	\$ 8,406,262	\$ 1,451,350	\$ 46,420,852	\$ -	\$ 46,420,852

2016-2018 Total Budget (Energy Efficiency Budget + Demand Response Budget)								
Sector	Program Costs						Performance Incentive	Total Program Administrator Budget
	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs		
A - Residential	\$ 3,663,473	\$ 1,478,024	\$ 46,175,563	\$ 15,072,078	\$ 2,325,576	\$ 68,714,714	\$ -	\$ 68,714,714
B - Low-Income	\$ 823,122	\$ 171,768	\$ 9,612,430	\$ 2,399,897	\$ 470,294	\$ 13,477,511	\$ -	\$ 13,477,511
C - Commercial & Industrial	\$ 2,558,058	\$ 717,235	\$ 34,301,147	\$ 5,978,114	\$ 1,524,891	\$ 45,079,446	\$ -	\$ 45,079,446
Grand Total	\$ 7,044,653	\$ 2,367,028	\$ 90,089,140	\$ 23,450,089	\$ 4,320,761	\$ 127,271,671	\$ -	\$ 127,271,671

Notes:

For supporting information on the Total Program Administrator Budget, which includes Performance Incentives, see Table IV.C.1.

The Total Program Administrator Budgets, including the costs associated the Cape Light Compact's Demand Response Demonstration Offering, are used in the Cape Light Compact's funding tables.

IV.C. Program Administrator Budgets

2.2 PA Budget Comparison Table - Three Year Plan vs. Previous Years

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

PA Budget Categories	Residential Programs										Budget Categories as a Percent of Total Program Administrator Budget (%)								
	Program Administrator Budget (\$)										2013		2014		2015		2016	2017	2018
	2013		2014		2015		2016	2017	2018	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	
	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	
Program Planning and Administration	617,786	550,968	645,112	746,673	673,804	700,909	1,285,386	1,179,890	1,198,196	5%	3%	5%	4%	4%	5%	6%	5%	5%	
Marketing and Advertising	583,373	471,574	592,133	447,580	599,231	304,103	480,821	482,830	500,873	4%	3%	4%	2%	4%	2%	2%	2%	2%	
Participant Incentive	9,588,576	13,267,425	10,703,619	15,474,311	11,693,879	10,375,778	14,576,674	15,355,597	16,208,191	74%	82%	75%	81%	76%	80%	67%	68%	68%	
Sales, Technical Assistance & Training	1,743,262	1,676,415	1,802,600	1,734,855	1,869,105	1,048,282	4,562,195	4,802,522	5,032,909	13%	10%	13%	9%	12%	8%	21%	21%	21%	
Evaluation and Market Research	457,652	250,259	498,437	739,457	537,413	504,509	777,503	775,781	772,293	4%	2%	3%	4%	3%	4%	4%	3%	3%	
Performance Incentive	-	-	-	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Total Program Administrator Budget	12,990,648	16,216,641	14,241,901	19,142,877	15,373,432	12,933,580	21,682,579	22,596,621	23,712,462	100%	100%	100%	100%	100%	100%	100%	100%	100%	

PA Budget Categories	Low-Income Programs										Budget Categories as a Percent of Total Program Administrator Budget (%)								
	Program Administrator Budget (\$)										2013		2014		2015		2016	2017	2018
	2013		2014		2015		2016	2017	2018	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	
	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	
Program Planning and Administration	190,742	150,549	195,933	201,374	211,022	193,722	271,525	266,004	285,593	6%	6%	6%	8%	6%	10%	7%	6%	6%	
Marketing and Advertising	68,542	45,738	69,167	65,622	74,558	50,748	54,348	55,384	62,036	2%	2%	2%	2%	2%	3%	1%	1%	1%	
Participant Incentive	2,333,589	2,072,942	2,243,046	1,903,058	2,762,496	1,227,751	2,845,870	3,201,910	3,564,650	71%	76%	71%	71%	73%	65%	70%	72%	72%	
Sales, Technical Assistance & Training	596,709	382,077	533,795	435,500	625,184	370,154	718,718	783,854	897,326	18%	14%	17%	16%	16%	20%	18%	18%	18%	
Evaluation and Market Research	116,838	61,921	111,202	77,714	133,885	46,656	155,051	156,852	158,391	4%	2%	4%	3%	4%	2%	4%	4%	3%	
Performance Incentive	-	-	-	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Total Program Administrator Budget	3,306,419	2,713,226	3,153,143	2,683,268	3,807,144	1,889,031	4,045,512	4,464,004	4,967,996	100%	100%	100%	100%	100%	100%	100%	100%	100%	

PA Budget Categories	Commercial & Industrial Programs										Budget Categories as a Percent of Total Program Administrator Budget (%)								
	Program Administrator Budget (\$)										2013		2014		2015		2016	2017	2018
	2013		2014		2015		2016	2017	2018	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	
	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	
Program Planning and Administration	486,742	470,379	509,753	633,438	533,914	612,679	810,487	830,138	917,433	4%	7%	6%	4%	6%	9%	6%	6%	5%	
Marketing and Advertising	110,505	100,447	112,907	170,097	115,430	161,132	251,893	220,924	242,918	1%	1%	1%	1%	1%	2%	2%	1%	1%	
Participant Incentive	11,090,318	5,255,746	6,544,132	12,471,364	6,451,765	5,165,163	9,341,245	11,397,152	13,558,850	82%	78%	76%	84%	76%	73%	74%	76%	78%	
Sales, Technical Assistance & Training	1,426,476	659,699	1,118,690	712,902	1,128,295	594,000	1,773,362	1,978,982	2,150,831	10%	10%	13%	5%	13%	8%	14%	13%	12%	
Evaluation and Market Research	477,762	222,795	304,388	943,190	302,887	509,758	495,041	509,185	520,666	4%	3%	4%	6%	4%	7%	4%	3%	3%	
Performance Incentive	-	-	-	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Total Program Administrator Budget	13,591,802	6,709,066	8,589,870	14,930,992	8,532,290	7,042,731	12,672,028	14,936,382	17,390,697	100%	100%	100%	100%	100%	100%	100%	100%	100%	

PA Budget Categories	Total Programs										Budget Categories as a Percent of Total Program Administrator Budget (%)								
	Program Administrator Budget (\$)										2013		2014		2015		2016	2017	2018
	2013		2014		2015		2016	2017	2018	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	
	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	Planned	Evaluated	Planned	Evaluated	Planned	YTD	Planned	Planned	Planned	
Program Planning and Administration	1,295,269	1,171,896	1,350,797	1,581,486	1,418,740	1,507,309	2,367,399	2,276,033	2,401,222	4%	5%	5%	4%	5%	7%	6%	5%	5%	
Marketing and Advertising	762,419	617,759	774,208	683,299	789,219	515,983	787,063	759,138	805,827	3%	2%	3%	2%	3%	2%	2%	2%	2%	
Participant Incentive	23,012,483	20,596,113	19,490,797	29,848,734	20,908,140	16,768,692	26,763,789	29,954,660	33,331,691	77%	80%	75%	81%	75%	77%	70%	71%	72%	
Sales, Technical Assistance & Training	3,766,447	2,718,191	3,455,085	2,883,258	3,622,583	2,012,435	7,054,275	7,565,358	8,081,065	13%	11%	13%	8%	13%	9%	18%	18%	18%	
Evaluation and Market Research	1,052,252	534,974	914,028	1,760,361	974,185	1,060,923	1,427,594	1,441,817	1,451,350	4%	2%	4%	5%	4%	5%	4%	3%	3%	
Performance Incentive	-	-	-	-	-	-	-	-	-	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Total Program Administrator Budget	29,888,870	25,638,933	25,984,914	36,757,137	27,712,867	21,865,343	38,400,119	41,997,006	46,071,154	100%	100%	100%	100%	100%	100%	100%	100%	100%	

Notes:

2013-2015 planned values are from the Program Administrator's 2013-2015 Three-Year Plan, D.P.U. 14-05, in nominal dollars (2013\$, 2014\$, 2015\$).

2013 evaluated values are from the Program Administrator's 2013 Plan Year Report, D.P.U. 14-87, in 2013\$.

2014 evaluated values are from the Program Administrator's 2014 Plan Year Report, D.P.U. 15-49, in 2014\$.

2015 YTD values are estimated actual cost through August 2015, in 2015\$.

For supporting information on the 2016-2018 values, see Table IV.C.1. Budgets for each year in 2016-2018 are represented in nominal dollars (2016\$, 2017\$, 2018\$).

The Program Administrators have better aligned cost allocations across Program Administrators for the 2016-2018 Three-Year Plan, consistent with the Department's directives in the 2013-2015 Three-Year Plan Order (January 31, 2013). As a result, historical budget categories may not be directly comparable for each Program Administrator.

The budgets in the above tables do not include costs associated with the Cape Light Compact's Demand Response Demonstration Offering.

IV.D. Cost-Effectiveness

1. Summary Table

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Total Resource Cost Test (2016\$)							
Program	Benefit-Cost Ratio	Net Benefits	Total TRC Test Benefits	Costs			
				Total Program Costs	Performance Incentive	Participant Costs	Total TRC Test Costs
A - Residential	2.22	32,475,642	59,028,748	21,682,579	-	4,870,527	26,553,107
A1 - Residential Whole House	2.34	25,615,766	44,803,597	16,012,900	-	3,174,930	19,187,830
A1a - Residential New Construction	4.22	2,253,958	2,954,733	452,182	-	248,594	700,776
A1b - Residential Multi-Family Retrofit	1.25	189,597	950,169	750,593	-	9,978	760,572
A1c - Residential Home Energy Services - Measures	2.58	24,804,517	40,521,190	12,800,315	-	2,916,358	15,716,673
A1d - Residential Home Energy Services - RCS	0.00	-1,685,335	0	1,685,335	-	-	1,685,335
A1e - Residential Behavior/Feedback Program	1.16	53,029	377,505	324,476	-	-	324,476
A2 - Residential Products	2.39	8,280,460	14,225,151	4,249,094	-	1,695,597	5,944,691
A2a - Residential Heating & Cooling Equipment	0.99	-37,713	2,530,518	1,738,582	-	829,649	2,568,231
A2b - Residential Consumer Products	2.12	542,441	1,028,547	379,097	-	107,010	486,106
A2c - Residential Lighting	3.69	7,775,732	10,666,086	2,131,416	-	758,939	2,890,354
A3 - Residential Hard-to-Measure	0.00	-1,420,585	0	1,420,585	-	-	1,420,585
B - Low-Income	2.37	5,536,573	9,582,085	4,045,512	-	-	4,045,512
B1 - Low-Income Whole House	2.43	5,632,757	9,582,085	3,949,328	-	-	3,949,328
B1a - Low-Income Single Family Retrofit	1.93	2,556,699	5,295,398	2,738,699	-	-	2,738,699
B1b - Low-Income Multi-Family Retrofit	3.54	3,076,058	4,286,687	1,210,629	-	-	1,210,629
B2 - Low-Income Hard-to-Measure	0.00	-96,184	0	96,184	-	-	96,184
C - Commercial & Industrial	2.61	28,436,321	46,123,483	12,672,028	-	5,015,133	17,687,161
C1 - C&I New Construction	2.71	4,196,346	6,652,746	1,367,900	-	1,088,501	2,456,401
C1a - C&I New Buildings & Major Renovations	0.90	-90,950	838,659	1,074,929	-	(145,321)	929,608
C1b - C&I Initial Purchase & End of Useful Life	3.81	4,287,295	5,814,088	292,971	-	1,233,822	1,526,793
C2 - C&I Retrofit	2.65	24,564,970	39,470,736	10,979,135	-	3,926,632	14,905,767
C2a - C&I Existing Building Retrofit	2.16	4,160,907	7,737,346	3,237,474	-	338,965	3,576,439
C2b - C&I Small Business	2.18	7,751,074	14,321,193	5,490,747	-	1,079,372	6,570,119
C2c - C&I Multifamily Retrofit	1.07	51,719	819,635	756,995	-	10,922	767,916
C2d - C&I Upstream Lighting	4.16	12,601,270	16,592,563	1,493,919	-	2,497,374	3,991,293
C3 - C&I Hard-to-Measure	0.00	-324,994	0	324,994	-	-	324,994
Grand Total	2.38	66,448,535	114,734,315	38,400,119	-	9,885,660	48,285,780

2017 Total Resource Cost Test (2016\$)							
Program	Benefit-Cost Ratio	Net Benefits	Total TRC Test Benefits	Costs			
				Total Program Costs	Performance Incentive	Participant Costs	Total TRC Test Costs
A - Residential	2.26	33,787,517	60,510,313	22,036,884	-	4,685,912	26,722,796
A1 - Residential Whole House	2.43	28,247,009	47,989,845	16,481,126	-	3,261,710	19,742,836
A1a - Residential New Construction	4.22	2,157,340	2,827,886	438,766	-	231,779	670,546
A1b - Residential Multi-Family Retrofit	1.15	115,880	866,657	733,863	-	16,915	750,777
A1c - Residential Home Energy Services - Measures	2.70	27,628,854	43,926,401	13,284,531	-	3,013,016	16,297,547
A1d - Residential Home Energy Services - RCS	0.00	-1,705,449	0	1,705,449	-	-	1,705,449
A1e - Residential Behavior/Feedback Program	1.16	50,385	368,902	318,518	-	-	318,518
A2 - Residential Products	2.26	6,986,308	12,520,468	4,109,957	-	1,424,202	5,534,160
A2a - Residential Heating & Cooling Equipment	1.01	21,788	2,717,001	1,879,776	-	815,437	2,695,213
A2b - Residential Consumer Products	2.11	536,263	1,021,192	377,644	-	107,284	484,299
A2c - Residential Lighting	3.73	6,428,258	8,782,276	1,852,537	-	501,481	2,354,018
A3 - Residential Hard-to-Measure	0.00	-1,445,800	0	1,445,800	-	-	1,445,800
B - Low-Income	2.50	6,516,599	10,870,025	4,353,426	-	-	4,353,426
B1 - Low-Income Whole House	2.55	6,614,496	10,870,025	4,255,529	-	-	4,255,529
B1a - Low-Income Single Family Retrofit	2.00	2,886,865	5,776,790	2,889,925	-	-	2,889,925
B1b - Low-Income Multi-Family Retrofit	3.73	3,727,631	5,093,235	1,365,603	-	-	1,365,603
B2 - Low-Income Hard-to-Measure	0.00	-97,898	0	97,898	-	-	97,898
C - Commercial & Industrial	2.53	28,734,141	47,543,490	14,566,395	-	4,242,953	18,809,348
C1 - C&I New Construction	2.14	1,745,514	3,275,044	1,249,614	-	279,915	1,529,530
C1a - C&I New Buildings & Major Renovations	1.22	198,760	1,086,737	1,029,993	-	(142,016)	887,977
C1b - C&I Initial Purchase & End of Useful Life	3.41	1,546,754	2,188,307	219,622	-	421,931	641,553
C2 - C&I Retrofit	2.61	27,287,625	44,268,446	13,017,783	-	3,963,038	16,980,821
C2a - C&I Existing Building Retrofit	2.52	6,213,876	10,302,051	3,609,106	-	479,070	4,088,175
C2b - C&I Small Business	2.19	10,114,721	18,641,212	7,244,338	-	1,282,152	8,526,490
C2c - C&I Multifamily Retrofit	1.00	913	751,088	733,568	-	16,607	750,175
C2d - C&I Upstream Lighting	4.03	10,958,114	14,574,095	1,430,771	-	2,185,209	3,615,980
C3 - C&I Hard-to-Measure	0.00	-298,997	0	298,997	-	-	298,997
Grand Total	2.38	69,038,257	118,923,828	40,956,706	-	8,928,865	49,885,571

IV.D. Cost-Effectiveness

1. Summary Table

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2018 Total Resource Cost Test (2016\$)							
Program	Benefit-Cost Ratio	Net Benefits	Total TRC Test Benefits	Costs			
				Total Program Costs	Performance Incentive	Participant Costs	Total TRC Test Costs
A - Residential	2.30	35,163,848	62,316,503	22,552,257	-	4,600,397	27,152,654
A1 - Residential Whole House	2.50	30,608,847	51,029,716	17,059,548	-	3,361,320	20,420,869
A1a - Residential New Construction	4.44	2,390,256	3,085,706	461,617	-	233,832	695,450
A1b - Residential Multi-Family Retrofit	1.13	100,906	902,339	780,698	-	20,736	801,433
A1c - Residential Home Energy Services - Measures	2.77	29,812,296	46,683,898	13,764,849	-	3,106,752	16,871,602
A1d - Residential Home Energy Services - RCS	0.00	-1,738,255	0	1,738,255	-	-	1,738,255
A1e - Residential Behavior/Feedback Program	1.14	43,644	357,773	314,129	-	-	314,129
A2 - Residential Products	2.15	6,026,973	11,286,787	4,020,737	-	1,239,077	5,259,814
A2a - Residential Heating & Cooling Equipment	1.03	98,580	2,935,257	2,034,336	-	802,340	2,836,677
A2b - Residential Consumer Products	2.17	497,352	923,123	333,603	-	92,168	425,771
A2c - Residential Lighting	3.72	5,431,041	7,428,407	1,652,798	-	344,568	1,997,366
A3 - Residential Hard-to-Measure	0.00	-1,471,972	0	1,471,972	-	-	1,471,972
B - Low-Income	2.45	6,861,004	11,585,926	4,724,922	-	-	4,724,922
B1 - Low-Income Whole House	2.51	6,960,992	11,585,926	4,624,934	-	-	4,624,934
B1a - Low-Income Single Family Retrofit	2.06	3,402,967	6,613,306	3,210,339	-	-	3,210,339
B1b - Low-Income Multi-Family Retrofit	3.52	3,558,025	4,972,620	1,414,595	-	-	1,414,595
B2 - Low-Income Hard-to-Measure	0.00	-99,988	0	99,988	-	-	99,988
C - Commercial & Industrial	2.51	31,390,235	52,158,997	16,539,804	-	4,228,958	20,768,762
C1 - C&I New Construction	2.48	2,172,189	3,642,512	1,290,409	-	179,913	1,470,322
C1a - C&I New Buildings & Major Renovations	1.52	443,360	1,300,607	995,745	-	(138,498)	857,247
C1b - C&I Initial Purchase & End of Useful Life	3.82	1,728,829	2,341,905	294,664	-	318,411	613,075
C2 - C&I Retrofit	2.55	29,511,308	48,516,485	14,956,131	-	4,049,045	19,005,177
C2a - C&I Existing Building Retrofit	2.58	6,724,538	10,974,765	3,699,405	-	550,823	4,250,227
C2b - C&I Small Business	2.23	13,194,005	23,884,503	9,098,932	-	1,591,565	10,690,497
C2c - C&I Multifamily Retrofit	0.98	-12,779	782,836	775,934	-	19,680	795,614
C2d - C&I Upstream Lighting	3.94	9,605,544	12,874,382	1,381,861	-	1,886,977	3,268,838
C3 - C&I Hard-to-Measure	0.00	-293,263	0	293,263	-	-	293,263
Grand Total	2.39	73,415,087	126,061,425	43,816,983	-	8,829,355	52,646,338

2016-2018 Total Resource Cost Test (2016\$)							
Program	Benefit-Cost Ratio	Net Benefits	Total TRC Test Benefits	Costs			
				Total Program Costs	Performance Incentive	Participant Costs	Total TRC Test Costs
A - Residential	2.26	101,427,007	181,855,564	66,271,720	-	14,156,836	80,428,557
A1 - Residential Whole House	2.42	84,471,623	143,823,158	49,553,575	-	9,797,960	59,351,535
A1a - Residential New Construction	4.29	6,801,554	8,868,325	1,352,565	-	714,206	2,066,771
A1b - Residential Multi-Family Retrofit	1.18	406,382	2,719,164	2,265,153	-	47,628	2,312,782
A1c - Residential Home Energy Services - Measures	2.68	82,245,667	131,131,488	39,849,695	-	9,036,126	48,885,821
A1d - Residential Home Energy Services - RCS	0.00	-5,129,039	0	5,129,039	-	-	5,129,039
A1e - Residential Behavior/Feedback Program	1.15	147,058	1,104,180	957,122	-	-	957,122
A2 - Residential Products	2.27	21,293,741	38,032,406	12,379,789	-	4,358,876	16,738,665
A2a - Residential Heating & Cooling Equipment	1.01	82,655	8,182,775	5,652,694	-	2,447,426	8,100,120
A2b - Residential Consumer Products	2.13	1,576,056	2,972,862	1,090,344	-	306,462	1,396,806
A2c - Residential Lighting	3.71	19,635,031	26,876,769	5,636,751	-	1,604,987	7,241,738
A3 - Residential Hard-to-Measure	0.00	-4,338,357	0	4,338,357	-	-	4,338,357
B - Low-Income	2.44	18,914,176	32,038,036	13,123,860	-	-	13,123,860
B1 - Low-Income Whole House	2.50	19,208,245	32,038,036	12,829,790	-	-	12,829,790
B1a - Low-Income Single Family Retrofit	2.00	8,846,531	17,685,494	8,838,963	-	-	8,838,963
B1b - Low-Income Multi-Family Retrofit	3.60	10,361,714	14,352,541	3,990,827	-	-	3,990,827
B2 - Low-Income Hard-to-Measure	0.00	-294,070	0	294,070	-	-	294,070
C - Commercial & Industrial	2.55	88,560,697	145,825,969	43,778,227	-	13,487,045	57,265,271
C1 - C&I New Construction	2.49	8,114,049	13,570,302	3,907,923	-	1,548,329	5,456,253
C1a - C&I New Buildings & Major Renovations	1.21	551,171	3,226,002	3,100,667	-	(425,835)	2,674,832
C1b - C&I Initial Purchase & End of Useful Life	3.72	7,562,879	10,344,299	807,257	-	1,974,164	2,781,421
C2 - C&I Retrofit	2.60	81,363,903	132,255,667	38,953,049	-	11,938,715	50,891,764
C2a - C&I Existing Building Retrofit	2.44	17,099,321	29,014,162	10,545,984	-	1,368,857	11,914,841
C2b - C&I Small Business	2.20	31,059,801	56,846,907	21,834,017	-	3,953,089	25,787,106
C2c - C&I Multifamily Retrofit	1.02	39,853	2,353,559	2,266,497	-	47,209	2,313,706
C2d - C&I Upstream Lighting	4.05	33,164,928	44,041,039	4,306,551	-	6,569,560	10,876,111
C3 - C&I Hard-to-Measure	0.00	-917,254	0	917,254	-	-	917,254
Grand Total	2.39	208,901,880	359,719,568	123,173,808	-	27,643,881	150,817,688

Notes:

The Benefit-Cost Ratio is the Total TRC Test Benefits divided by the Total TRC Test Costs.

The Net Benefits are the Total TRC Test Benefits minus the Total TRC Test Costs.

For supporting information on the Total TRC Test Benefits, see Table IV.D.3.1.i.

For supporting information on the Total Program Costs, see Table IV.C.1.

For supporting information on the Performance Incentive, refer to the Performance Incentive Model.

The Total TRC Costs are the sum of the Total Program Costs, Performance Incentives, and Participant Costs.

The budgets in the above tables do not include costs associated with the Cape Light Compact's Demand Response Demonstration Offering.

IV.D Cost-Effectiveness

2.3 Cost Comparison Table - Three-Year Plan vs. Previous Years

Cape Light Compact

October 30, 2015

D.P.U. 15-166

Exh. Compact-4, Data Tables

H.O.s Leupold and Hale

TRC Costs Categories	TRC Costs						TRC Cost Categories as a Percent of Total TRC Costs (%)					
	2013	2014	2015	2016	2017	2018	2013	2014	2015	2016	2017	2018
Residential												
PA Budget	16,216,641	18,625,099	14,553,036	21,682,579	22,036,884	22,552,257	87%	76%	83%	82%	82%	83%
Participant Cost	2,525,280	5,818,010	2,895,427	4,870,527	4,685,912	4,600,397	13%	24%	17%	18%	18%	17%
Residential Total TRC Costs	18,741,920	24,443,109	17,448,464	26,553,107	26,722,796	27,152,654	100%	100%	100%	100%	100%	100%
Low-Income												
PA Budget	2,713,226	2,610,691	3,603,978	4,045,512	4,353,426	4,724,922	98%	100%	100%	100%	100%	100%
Participant Cost	59,915	-	557	-	-	-	2%	0%	0%	0%	0%	0%
Low-Income Total TRC Costs	2,773,141	2,610,691	3,604,535	4,045,512	4,353,426	4,724,922	100%	100%	100%	100%	100%	100%
Commercial & Industrial												
PA Budget	6,709,066	14,527,137	8,076,969	12,672,028	14,566,395	16,539,804	77%	89%	90%	72%	77%	80%
Participant Cost	2,005,977	1,759,213	943,669	5,015,133	4,242,953	4,228,958	23%	11%	10%	28%	23%	20%
C&I Total TRC Costs	8,715,043	16,286,350	9,020,637	17,687,161	18,809,348	20,768,762	100%	100%	100%	100%	100%	100%
Grand Total												
PA Budget	25,638,933	35,762,928	26,233,983	38,400,119	40,956,706	43,816,983	85%	83%	87%	80%	82%	83%
Participant Cost	4,591,171	7,577,223	3,839,652	9,885,660	8,928,865	8,829,355	15%	17%	13%	20%	18%	17%
Grand Total TRC Costs	30,230,105	43,340,150	30,073,636	48,285,780	49,885,571	52,646,338	100%	100%	100%	100%	100%	100%

Notes:

2013 values are from the Program Administrator's 2013 Plan Year Report D.P.U. 14-87, in 2013\$.

2014 values are from the Program Administrator's 2014 Plan Year Report, D.P.U. 15-49, in 2013\$.

2015 values are from the Program Administrator's 2013-2015 Three-Year Plan, D.P.U. 14-05, in 2013\$.

For supporting information on 2016-2018 TRC values, see Table IV.D.1. The 2016-2018 values are in 2016\$.

The budgets in the above tables do not include costs associated with the Cape Light Compact's Demand Response Demonstration Offering.

IV.D Cost-Effectiveness
3.1.i. Benefits Summary Table
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

2016 Benefits								
Program	Electric Benefits							
	Capacity					Electric Energy		
	Summer Generation	Transmission	Distribution	Capacity DRIPE	Total Capacity Benefits	Electric Energy	Electric Energy DRIPE	Total Electric Energy Benefits
A - Residential	5,134,303	1,322,992	4,430,739	-	10,888,034	17,185,472	2,940,833	20,126,304
A1 - Residential Whole House	2,970,311	739,359	2,476,134	-	6,185,804	7,581,258	1,148,378	8,729,636
A1a - Residential New Construction	303,808	71,786	240,415	-	616,009	1,066,293	90,665	1,156,958
A1b - Residential Multi-Family Retrofit	20,907	5,608	18,780	-	45,295	495,357	56,384	551,741
A1c - Residential Home Energy Services - Measures	2,618,255	654,369	2,191,501	-	5,464,126	5,929,175	981,789	6,910,964
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-
A1e - Residential Behavior/Feedback Program	27,341	7,596	25,438	-	60,374	90,432	19,541	109,973
A2 - Residential Products	2,163,991	583,633	1,954,605	-	4,702,230	9,604,214	1,792,455	11,396,669
A2a - Residential Heating & Cooling Equipment	347,471	86,969	291,261	-	725,701	1,526,273	190,953	1,717,226
A2b - Residential Consumer Products	184,458	51,013	170,844	-	406,315	496,807	106,882	603,689
A2c - Residential Lighting	1,632,062	445,652	1,492,500	-	3,570,214	7,581,134	1,494,619	9,075,754
B - Low-Income	410,154	107,121	358,752	-	876,027	1,303,676	228,357	1,532,033
B1 - Low-Income Whole House	410,154	107,121	358,752	-	876,027	1,303,676	228,357	1,532,033
B1a - Low-Income Single Family Retrofit	367,419	95,326	319,249	-	781,994	946,143	177,489	1,123,632
B1b - Low-Income Multi-Family Retrofit	42,734	11,795	39,503	-	94,033	357,533	50,868	408,401
C - Commercial & Industrial	7,158,301	1,996,137	6,685,118	-	15,839,555	22,754,503	4,924,986	27,679,488
C1 - C&I New Construction	1,691,753	404,397	1,354,337	-	3,450,487	5,593,508	506,938	6,100,446
C1a - C&I New Buildings & Major Renovations	210,595	52,494	175,803	-	438,892	513,856	62,296	576,151
C1b - C&I Initial Purchase & End of Useful Life	1,481,158	351,903	1,178,534	-	3,011,596	5,079,652	444,643	5,524,294
C2 - C&I Retrofit	5,466,548	1,591,740	5,330,781	-	12,389,068	17,160,995	4,418,048	21,579,043
C2a - C&I Existing Building Retrofit	1,370,259	350,152	1,172,671	-	2,893,082	3,362,885	549,017	3,911,902
C2b - C&I Small Business	1,875,508	490,854	1,643,883	-	4,010,245	6,017,405	1,028,913	7,046,318
C2c - C&I Multifamily Retrofit	25,094	6,476	21,689	-	53,259	472,239	54,451	526,690
C2d - C&I Upstream Lighting	2,195,687	744,257	2,492,538	-	5,432,482	7,308,466	2,785,666	10,094,132
Grand Total	12,702,757	3,426,250	11,474,609	-	27,603,616	41,243,650	8,094,176	49,337,826

2017 Benefits								
Program	Electric Benefits							
	Capacity					Electric Energy		
	Summer Generation	Transmission	Distribution	Capacity DRIPE	Total Capacity Benefits	Electric Energy	Electric Energy DRIPE	Total Electric Energy Benefits
A - Residential	5,577,222	1,333,375	4,465,512	-	11,376,110	16,670,244	1,567,591	18,237,835
A1 - Residential Whole House	3,442,653	809,458	2,710,898	-	6,963,010	7,867,932	683,416	8,551,347
A1a - Residential New Construction	312,330	70,917	237,501	-	620,748	1,021,333	50,706	1,072,038
A1b - Residential Multi-Family Retrofit	26,615	6,500	21,768	-	54,883	442,628	30,362	472,991
A1c - Residential Home Energy Services - Measures	3,074,509	724,669	2,426,936	-	6,226,113	6,315,191	590,343	6,905,534
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-
A1e - Residential Behavior/Feedback Program	29,200	7,373	24,693	-	61,266	88,780	12,004	100,784
A2 - Residential Products	2,134,569	523,917	1,754,614	-	4,413,100	8,802,312	884,175	9,686,487
A2a - Residential Heating & Cooling Equipment	393,039	92,774	310,703	-	796,515	1,683,651	121,720	1,805,371
A2b - Residential Consumer Products	204,281	51,628	172,905	-	428,814	510,669	63,066	573,734
A2c - Residential Lighting	1,537,249	379,515	1,271,006	-	3,187,770	6,607,992	699,390	7,307,382
B - Low-Income	477,747	115,827	387,909	-	981,482	1,442,332	143,233	1,585,566
B1 - Low-Income Whole House	477,747	115,827	387,909	-	981,482	1,442,332	143,233	1,585,566
B1a - Low-Income Single Family Retrofit	425,768	102,692	343,917	-	872,376	1,039,581	107,973	1,147,554
B1b - Low-Income Multi-Family Retrofit	51,979	13,136	43,992	-	109,106	402,751	35,261	438,012
C - Commercial & Industrial	7,711,687	1,958,487	6,559,027	-	16,229,200	22,526,069	2,845,414	25,371,483
C1 - C&I New Construction	849,818	195,941	656,213	-	1,701,972	2,800,907	157,160	2,958,067
C1a - C&I New Buildings & Major Renovations	224,073	52,736	176,614	-	453,423	744,092	48,185	792,277
C1b - C&I Initial Purchase & End of Useful Life	625,745	143,206	479,599	-	1,248,550	2,056,815	108,975	2,165,791
C2 - C&I Retrofit	6,861,869	1,762,545	5,902,814	-	14,527,228	19,725,162	2,688,254	22,413,416
C2a - C&I Existing Building Retrofit	1,666,552	398,418	1,334,315	-	3,399,285	5,009,056	429,551	5,438,607
C2b - C&I Small Business	2,718,629	664,572	2,225,671	-	5,608,872	7,607,678	767,882	8,375,560
C2c - C&I Multifamily Retrofit	30,266	7,236	24,233	-	61,736	429,389	28,695	458,083
C2d - C&I Upstream Lighting	2,446,422	692,319	2,318,594	-	5,457,335	6,679,040	1,462,126	8,141,166
Grand Total	13,766,656	3,407,689	11,412,447	-	28,586,792	40,638,645	4,556,238	45,194,884

IV.D Cost-Effectiveness
3.1.i. Benefits Summary Table
Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

Program	2016 Benefits									
	Natural Gas Benefits			Deliverable Fuel Benefits		Other Benefits	Total Energy Benefits	Non-Energy Impacts	Total TRC Test Benefits	Total Energy Benefits per Participant
	Natural Gas	Natural Gas DRIPE	Total Gas Benefits	Oil	Propane	Water				
A - Residential	4,279,709	325,360	4,605,069	13,483,599	1,790,742	304,167	51,197,915	7,830,833	59,028,748	559.06
A1 - Residential Whole House	5,223,561	501,195	5,724,756	14,755,465	2,100,346	293,285	37,789,292	7,014,305	44,803,597	11,253.51
A1a - Residential New Construction	12,400	1,080	13,480	25,772	642,014	-	2,454,233	500,500	2,954,733	26,969.59
A1b - Residential Multi-Family Retrofit	1,745	403	2,148	108,675	4,211	10,683	722,752	227,416	950,169	2,279.98
A1c - Residential Home Energy Services - Measures	5,154,896	489,916	5,644,811	14,548,205	1,436,910	229,784	34,234,801	6,286,389	40,521,190	13,167.23
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-
A1e - Residential Behavior/Feedback Program	54,520	9,796	64,316	72,813	17,211	52,817	377,505	-	377,505	1,078.59
A2 - Residential Products	(943,851)	(175,835)	(1,119,686)	(1,271,867)	(309,603)	10,882	13,408,624	816,527	14,225,151	151.99
A2a - Residential Heating & Cooling Equipment	(61,803)	(6,610)	(68,413)	-	-	-	2,374,514	156,004	2,530,518	524.18
A2b - Residential Consumer Products	1,237	307	1,544	3,304	2,813	10,882	1,028,547	-	1,028,547	408.15
A2c - Residential Lighting	(883,285)	(169,532)	(1,052,817)	(1,275,171)	(312,416)	-	10,005,563	660,523	10,666,086	123.27
B - Low-Income	-	-	-	5,412,969	312,557	-	8,133,586	1,448,498	9,582,085	10,166.98
B1 - Low-Income Whole House	-	-	-	5,412,969	312,557	-	8,133,586	1,448,498	9,582,085	10,166.98
B1a - Low-Income Single Family Retrofit	-	-	-	2,126,501	312,557	-	4,344,685	950,713	5,295,398	7,758.37
B1b - Low-Income Multi-Family Retrofit	-	-	-	3,286,468	-	-	3,788,902	497,785	4,286,687	15,787.09
C - Commercial & Industrial	(3,016,822)	(417,786)	(3,434,608)	(816,545)	285,717	14,158	39,567,765	6,555,717	46,123,483	17,624.84
C1 - C&I New Construction	(2,481,234)	(273,558)	(2,754,792)	(143,395)	-	-	6,652,746	-	6,652,746	76,468.35
C1a - C&I New Buildings & Major Renovations	(28,605)	(4,384)	(32,990)	(143,395)	-	-	838,659	-	838,659	22,666.45
C1b - C&I Initial Purchase & End of Useful Life	(2,452,629)	(269,173)	(2,721,802)	-	-	-	5,814,088	-	5,814,088	116,281.76
C2 - C&I Retrofit	(535,588)	(144,228)	(679,816)	(673,150)	285,717	14,158	32,915,019	6,555,717	39,470,736	15,252.56
C2a - C&I Existing Building Retrofit	7,382	8,384	15,766	(337,229)	68,381	-	6,551,903	1,185,443	7,737,346	43,390.08
C2b - C&I Small Business	(260,190)	(46,205)	(306,395)	828,388	212,637	-	11,791,193	2,530,000	14,321,193	24,063.66
C2c - C&I Multifamily Retrofit	1,922	451	2,372	117,826	4,699	14,158	719,004	100,631	819,635	2,268.15
C2d - C&I Upstream Lighting	(284,701)	(106,858)	(391,560)	(1,282,135)	-	-	13,852,919	2,739,643	16,592,563	11,544.10
Grand Total	1,262,888	(92,427)	1,170,461	18,080,023	2,389,017	318,325	98,899,267	15,835,048	114,734,315	1,045.19

Program	2017 Benefits									
	Natural Gas Benefits			Deliverable Fuel Benefits		Other Benefits	Total Energy Benefits	Non-Energy Impacts	Total TRC Test Benefits	Total Energy Benefits per Participant
	Natural Gas	Natural Gas DRIPE	Total Gas Benefits	Oil	Propane	Water				
A - Residential	4,740,619	255,880	4,996,499	15,372,473	2,072,547	409,118	52,464,580	8,045,733	60,510,313	631.77
A1 - Residential Whole House	5,575,106	342,383	5,917,489	16,492,355	2,343,493	398,236	40,665,930	7,323,915	47,989,845	11,474.59
A1a - Residential New Construction	12,026	684	12,710	25,087	621,303	-	2,351,886	476,000	2,827,886	27,033.17
A1b - Residential Multi-Family Retrofit	1,787	239	2,027	114,592	4,519	9,552	658,564	208,093	866,657	2,020.13
A1c - Residential Home Energy Services - Measures	5,505,575	335,575	5,841,151	16,277,872	1,700,043	335,866	37,286,578	6,639,823	43,926,401	13,653.09
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-
A1e - Residential Behavior/Feedback Program	55,718	5,885	61,602	74,804	17,628	52,817	368,902	-	368,902	922.26
A2 - Residential Products	(834,488)	(86,503)	(920,991)	(1,119,882)	(270,946)	10,882	11,798,651	721,817	12,520,468	148.41
A2a - Residential Heating & Cooling Equipment	(62,997)	(4,248)	(67,245)	-	-	-	2,534,641	182,359	2,717,001	537.28
A2b - Residential Consumer Products	1,267	179	1,445	3,414	2,901	10,882	1,021,192	-	1,021,192	405.23
A2c - Residential Lighting	(772,758)	(82,433)	(855,191)	(1,123,296)	(273,847)	-	8,242,818	539,458	8,782,276	114.07
B - Low-Income	-	-	-	6,332,208	347,696	-	9,246,952	1,623,073	10,870,025	9,632.24
B1 - Low-Income Whole House	-	-	-	6,332,208	347,696	-	9,246,952	1,623,073	10,870,025	9,632.24
B1a - Low-Income Single Family Retrofit	-	-	-	2,355,822	347,696	-	4,723,448	1,053,342	5,776,790	7,380.39
B1b - Low-Income Multi-Family Retrofit	-	-	-	3,976,386	-	-	4,523,504	569,731	5,093,235	14,135.95
C - Commercial & Industrial	(1,817,880)	(179,248)	(1,997,128)	(466,784)	466,784	12,660	39,891,132	7,652,358	47,543,490	16,137.19
C1 - C&I New Construction	(1,170,323)	(84,040)	(1,254,363)	(130,633)	-	-	3,275,044	-	3,275,044	37,644.18
C1a - C&I New Buildings & Major Renovations	(25,879)	(2,451)	(28,330)	(130,633)	-	-	1,086,737	-	1,086,737	29,371.27
C1b - C&I Initial Purchase & End of Useful Life	(1,144,444)	(81,590)	(1,226,033)	-	-	-	2,188,307	-	2,188,307	43,766.14
C2 - C&I Retrofit	(647,558)	(95,208)	(742,765)	(61,234)	466,784	12,660	36,616,088	7,652,358	44,268,446	15,352.66
C2a - C&I Existing Building Retrofit	41,074	5,121	46,195	(393,105)	78,511	-	8,569,493	1,732,558	10,302,051	53,896.18
C2b - C&I Small Business	(417,006)	(43,673)	(460,679)	1,449,849	383,180	-	15,356,782	3,284,430	18,641,212	21,938.26
C2c - C&I Multifamily Retrofit	1,973	279	2,252	123,954	5,093	12,660	663,778	87,310	751,088	2,036.13
C2d - C&I Upstream Lighting	(273,599)	(56,935)	(330,534)	(1,241,932)	-	-	12,026,035	2,548,060	14,574,095	10,021.70
Grand Total	2,922,738	76,632	2,999,370	21,512,813	2,887,027	421,778	101,602,664	17,321,163	118,923,828	1,174.93

IV.D Cost-Effectiveness
3.1.i. Benefits Summary Table
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

Program	2018 Benefits							
	Electric Benefits							
	Capacity					Electric Energy		
	Summer Generation	Transmission	Distribution	Capacity DRIPE	Total Capacity Benefits	Electric Energy	Electric Energy DRIPE	Total Electric Energy Benefits
A - Residential	5,701,146	1,312,708	4,396,297	-	11,410,152	16,635,601	707,465	17,343,066
A1 - Residential Whole House	3,673,130	838,016	2,806,540	-	7,317,686	8,414,421	344,906	8,759,327
A1a - Residential New Construction	333,163	74,131	248,267	-	655,561	1,217,195	33,080	1,250,275
A1b - Residential Multi-Family Retrofit	32,893	7,687	25,743	-	66,323	466,913	16,819	483,733
A1c - Residential Home Energy Services - Measures	3,278,043	749,146	2,508,910	-	6,536,099	6,644,807	289,542	6,934,349
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-
A1e - Residential Behavior/Feedback Program	29,031	7,053	23,621	-	59,704	85,506	5,464	90,970
A2 - Residential Products	2,028,017	474,692	1,589,757	-	4,092,466	8,221,180	362,559	8,583,739
A2a - Residential Heating & Cooling Equipment	433,391	99,225	332,307	-	864,923	1,859,708	67,418	1,927,127
A2b - Residential Consumer Products	200,478	48,301	161,761	-	410,539	468,203	25,663	493,866
A2c - Residential Lighting	1,394,148	327,166	1,095,689	-	2,817,004	5,893,269	269,478	6,162,747
B - Low-Income	556,044	129,641	434,170	-	1,119,854	1,663,566	77,672	1,741,239
B1 - Low-Income Whole House	556,044	129,641	434,170	-	1,119,854	1,663,566	77,672	1,741,239
B1a - Low-Income Single Family Retrofit	496,622	115,311	386,178	-	998,111	1,218,141	57,732	1,275,873
B1b - Low-Income Multi-Family Retrofit	59,422	14,330	47,991	-	121,744	445,426	19,940	465,365
C - Commercial & Industrial	8,524,724	2,056,249	6,886,435	-	17,467,407	24,327,568	1,350,314	25,677,882
C1 - C&I New Construction	848,295	191,057	639,856	-	1,679,207	3,028,123	86,487	3,114,610
C1a - C&I New Buildings & Major Renovations	230,811	52,736	176,614	-	460,160	992,068	29,813	1,021,881
C1b - C&I Initial Purchase & End of Useful Life	617,484	138,321	463,242	-	1,219,047	2,036,054	56,674	2,092,729
C2 - C&I Retrofit	7,676,429	1,865,192	6,246,579	-	15,788,200	21,299,445	1,263,827	22,563,272
C2a - C&I Existing Building Retrofit	1,817,328	419,230	1,404,013	-	3,640,570	5,644,631	218,863	5,863,494
C2b - C&I Small Business	3,360,460	797,428	2,670,609	-	6,828,497	9,042,657	447,507	9,490,164
C2c - C&I Multifamily Retrofit	35,371	8,154	27,308	-	70,832	457,801	13,658	471,459
C2d - C&I Upstream Lighting	2,463,270	640,380	2,144,650	-	5,248,300	6,154,356	583,798	6,738,154
Grand Total	14,781,914	3,498,598	11,716,902	-	29,997,414	42,626,735	2,135,451	44,762,187

Program	2016-2018 Benefits							
	Electric Benefits							
	Capacity					Electric Energy		
	Summer Generation	Transmission	Distribution	Capacity DRIPE	Total Capacity Benefits	Electric Energy	Electric Energy DRIPE	Total Electric Energy Benefits
A - Residential	16,412,671	3,969,076	13,292,548	-	33,674,296	50,491,316	5,215,889	55,707,205
A1 - Residential Whole House	10,086,094	2,386,834	7,993,573	-	20,466,501	23,863,611	2,176,700	26,040,310
A1a - Residential New Construction	949,301	216,834	726,183	-	1,892,318	3,304,821	174,450	3,479,272
A1b - Residential Multi-Family Retrofit	80,414	19,794	66,292	-	166,500	1,404,899	103,566	1,508,464
A1c - Residential Home Energy Services - Measures	8,970,807	2,128,184	7,127,347	-	18,226,337	18,889,173	1,861,674	20,750,847
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-
A1e - Residential Behavior/Feedback Program	85,572	22,022	73,751	-	181,345	264,718	37,010	301,728
A2 - Residential Products	6,326,577	1,582,243	5,298,976	-	13,207,795	26,627,706	3,039,189	29,666,895
A2a - Residential Heating & Cooling Equipment	1,173,901	278,968	934,271	-	2,387,139	5,069,632	380,091	5,449,723
A2b - Residential Consumer Products	589,217	150,942	505,509	-	1,245,668	1,475,678	195,611	1,671,289
A2c - Residential Lighting	4,563,459	1,152,333	3,859,196	-	9,574,988	20,082,395	2,463,487	22,545,882
B - Low-Income	1,443,944	352,589	1,180,830	-	2,977,364	4,409,574	449,263	4,858,837
B1 - Low-Income Whole House	1,443,944	352,589	1,180,830	-	2,977,364	4,409,574	449,263	4,858,837
B1a - Low-Income Single Family Retrofit	1,289,809	313,328	1,049,344	-	2,652,481	3,203,865	343,194	3,547,059
B1b - Low-Income Multi-Family Retrofit	154,136	39,261	131,486	-	324,883	1,205,709	106,068	1,311,778
C - Commercial & Industrial	23,394,712	6,010,872	20,130,579	-	49,536,162	69,608,140	9,120,713	78,728,853
C1 - C&I New Construction	3,389,866	791,395	2,650,405	-	6,831,667	11,422,538	750,585	12,173,123
C1a - C&I New Buildings & Major Renovations	665,480	157,965	529,030	-	1,352,475	2,250,016	140,293	2,390,310
C1b - C&I Initial Purchase & End of Useful Life	2,724,387	633,430	2,121,376	-	5,479,192	9,172,522	610,292	9,782,814
C2 - C&I Retrofit	20,004,846	5,219,476	17,480,174	-	42,704,495	58,185,602	8,370,128	66,555,730
C2a - C&I Existing Building Retrofit	4,854,138	1,167,801	3,910,998	-	9,932,937	14,016,572	1,197,432	15,214,004
C2b - C&I Small Business	7,954,597	1,952,854	6,540,164	-	16,447,614	22,667,739	2,244,302	24,912,042
C2c - C&I Multifamily Retrofit	90,731	21,866	73,230	-	185,827	1,359,428	96,804	1,456,232
C2d - C&I Upstream Lighting	7,105,379	2,076,956	6,955,783	-	16,138,117	20,141,862	4,831,590	24,973,453
Grand Total	41,251,327	10,332,537	34,603,958	-	86,187,822	124,509,031	14,785,865	139,294,896

Notes:
 Total Energy Benefits is the sum of electric benefits, natural gas benefits, deliverable fuel benefits, and other benefits.

IV.D Cost-Effectiveness
3.1.i. Benefits Summary Table
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

Program	2018 Benefits										Total Energy Benefits per Participant
	Natural Gas Benefits			Deliverable Fuel Benefits		Other Benefits	Total Energy Benefits	Non-Energy Impacts	Total TRC Test Benefits		
	Natural Gas	Natural Gas DRIPE	Total Gas Benefits	Oil	Propane	Water					
A - Residential	5,139,111	200,834	5,339,945	16,971,881	2,395,637	515,545	53,976,227	8,340,276	62,316,503	697.86	
A1 - Residential Whole House	5,923,559	248,965	6,172,524	17,962,142	2,632,806	504,663	43,349,149	7,680,567	51,029,716	11,581.39	
A1a - Residential New Construction	12,613	503	13,117	26,366	649,012	-	2,594,330	491,376	3,085,706	28,825.89	
A1b - Residential Multi-Family Retrofit	1,863	150	2,014	120,302	4,570	9,898	686,839	215,500	902,339	2,044.16	
A1c - Residential Home Energy Services - Measures	5,852,737	244,672	6,097,410	17,739,061	1,961,341	441,947	39,710,207	6,973,691	46,683,898	13,850.79	
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-	
A1e - Residential Behavior/Feedback Program	56,345	3,639	59,984	76,414	17,883	52,817	357,773	-	357,773	795.05	
A2 - Residential Products	(784,448)	(48,131)	(832,579)	(990,261)	(237,169)	10,882	10,627,078	659,708	11,286,787	144.39	
A2a - Residential Heating & Cooling Equipment	(63,871)	(2,892)	(66,762)	-	-	-	2,725,287	209,970	2,935,257	555.61	
A2b - Residential Consumer Products	1,281	105	1,386	3,499	2,951	10,882	923,123	-	923,123	389.50	
A2c - Residential Lighting	(721,859)	(45,344)	(767,202)	(993,760)	(240,120)	-	6,978,668	449,739	7,428,407	105.22	
B - Low-Income	-	-	-	6,507,685	433,019	-	9,801,796	1,784,130	11,585,926	8,751.60	
B1 - Low-Income Whole House	-	-	-	6,507,685	433,019	-	9,801,796	1,784,130	11,585,926	8,751.60	
B1a - Low-Income Single Family Retrofit	-	-	-	2,681,358	433,019	-	5,388,361	1,224,946	6,613,306	7,483.83	
B1b - Low-Income Multi-Family Retrofit	-	-	-	3,826,327	-	-	4,413,436	559,184	4,972,620	11,033.59	
C - Commercial & Industrial	(1,543,684)	(99,752)	(1,643,436)	1,119,584	816,640	13,118	43,451,194	8,707,802	52,158,997	15,794.69	
C1 - C&I New Construction	(953,690)	(47,755)	(1,001,445)	(149,860)	-	-	3,642,512	-	3,642,512	41,867.95	
C1a - C&I New Buildings & Major Renovations	(29,740)	(1,835)	(31,574)	(149,860)	-	-	1,300,607	-	1,300,607	35,151.54	
C1b - C&I Initial Purchase & End of Useful Life	(923,950)	(45,921)	(969,871)	-	-	-	2,341,905	-	2,341,905	46,838.09	
C2 - C&I Retrofit	(589,994)	(51,997)	(641,991)	1,269,445	816,640	13,118	39,808,683	8,707,802	48,516,485	14,943.20	
C2a - C&I Existing Building Retrofit	1,767	1,264	3,030	(567,771)	75,297	-	9,014,622	1,960,143	10,974,765	55,304.43	
C2b - C&I Small Business	(338,030)	(23,331)	(361,362)	2,889,952	736,195	-	19,583,447	4,301,055	23,884,503	20,293.73	
C2c - C&I Multifamily Retrofit	2,067	187	2,254	129,899	5,147	13,118	692,709	90,127	782,836	2,061.63	
C2d - C&I Upstream Lighting	(255,797)	(30,116)	(285,913)	(1,182,636)	-	-	10,517,905	2,356,477	12,874,382	8,764.92	
Grand Total	3,595,427	101,082	3,696,509	24,599,150	3,645,296	528,663	107,229,218	18,832,207	126,061,425	1,320.29	

Program	2016-2018 Benefits										Total Energy Benefits per Participant
	Natural Gas Benefits			Deliverable Fuel Benefits		Other Benefits	Total Energy Benefits	Non-Energy Impacts	Total TRC Test Benefits		
	Natural Gas	Natural Gas DRIPE	Total Gas Benefits	Oil	Propane	Water					
A - Residential	14,159,439	782,074	14,941,513	45,827,953	6,258,927	1,228,830	157,638,723	24,216,841	181,855,564	625.63	
A1 - Residential Whole House	16,722,226	1,092,543	17,814,769	49,209,962	7,076,645	1,196,183	121,804,370	22,018,788	143,823,158	11,442.40	
A1a - Residential New Construction	37,039	2,267	39,307	77,225	1,912,329	-	7,400,449	1,467,875	8,868,325	27,613.62	
A1b - Residential Multi-Family Retrofit	5,395	793	6,188	343,568	13,300	30,134	2,068,155	651,009	2,719,164	2,112.52	
A1c - Residential Home Energy Services - Measures	16,513,208	1,070,163	17,583,372	48,565,138	5,098,294	1,007,598	111,231,585	19,899,903	131,131,488	13,568.14	
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-	
A1e - Residential Behavior/Feedback Program	166,583	19,319	185,902	224,031	52,722	158,452	1,104,180	-	1,104,180	920.15	
A2 - Residential Products	(2,562,787)	(310,469)	(2,873,256)	(3,382,010)	(817,718)	32,647	35,834,353	2,198,053	38,032,406	148.49	
A2a - Residential Heating & Cooling Equipment	(188,670)	(13,750)	(202,420)	-	-	-	7,634,442	548,333	8,182,775	539.44	
A2b - Residential Consumer Products	3,784	591	4,375	10,217	8,665	32,647	2,972,862	-	2,972,862	401.20	
A2c - Residential Lighting	(2,377,901)	(297,309)	(2,675,210)	(3,392,227)	(826,384)	-	25,227,049	1,649,720	26,876,769	114.79	
B - Low-Income	-	-	-	18,252,861	1,093,272	-	27,182,335	4,855,701	32,038,036	9,438.31	
B1 - Low-Income Whole House	-	-	-	18,252,861	1,093,272	-	27,182,335	4,855,701	32,038,036	9,438.31	
B1a - Low-Income Single Family Retrofit	-	-	-	7,163,681	1,093,272	-	14,456,494	3,229,001	17,685,494	7,529.42	
B1b - Low-Income Multi-Family Retrofit	-	-	-	11,089,180	-	-	12,725,841	1,626,700	14,352,541	13,256.08	
C - Commercial & Industrial	(6,378,386)	(696,786)	(7,075,173)	111,172	1,569,141	39,936	122,910,092	22,915,877	145,825,969	16,458.23	
C1 - C&I New Construction	(4,605,247)	(405,354)	(5,010,600)	(423,888)	-	-	13,570,302	-	13,570,302	51,993.49	
C1a - C&I New Buildings & Major Renovations	(84,224)	(8,670)	(92,893)	(423,888)	-	-	3,226,002	-	3,226,002	29,063.08	
C1b - C&I Initial Purchase & End of Useful Life	(4,521,023)	(396,684)	(4,917,707)	-	-	-	10,344,299	-	10,344,299	68,962.00	
C2 - C&I Retrofit	(1,773,140)	(291,433)	(2,064,573)	535,060	1,569,141	39,936	109,339,790	22,915,877	132,255,667	15,171.33	
C2a - C&I Existing Building Retrofit	50,223	14,769	64,992	(1,298,104)	222,189	-	24,136,017	4,878,145	29,014,162	51,027.52	
C2b - C&I Small Business	(1,015,227)	(113,209)	(1,128,436)	5,168,190	1,332,013	-	46,731,422	10,115,485	56,846,907	21,685.11	
C2c - C&I Multifamily Retrofit	5,961	917	6,878	371,679	14,939	39,936	2,075,491	278,068	2,353,559	2,120.01	
C2d - C&I Upstream Lighting	(814,098)	(193,910)	(1,008,007)	(3,706,704)	-	-	36,396,859	7,644,180	44,041,039	10,110.24	
Grand Total	7,781,052	85,288	7,866,340	64,191,986	8,921,340	1,268,766	307,731,149	51,988,419	359,719,568	1,173.14	

IV.D. Cost-Effectiveness

3.1.iii. Benefits Comparison Table - Three Year Plan vs. Previous Years

Cape Light Compact

October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

Sector	2013-2018 Benefits										2013-2018 Benefits						
	Electric Benefits					Natural Gas Benefits					Deliverable Fuel Benefits		Other Benefits	Total Energy Benefits	Non-Energy Impacts	Total TRC Test Benefits	
	Capacity			Electric Energy		Natural Gas			Oil	Propane							
	Summer Generation	Transmission	Distribution	Capacity DRIPE	Total Capacity Benefits	Electric Energy	Electric Energy DRIPE	Total Electric Energy Benefits			Natural Gas	Natural Gas DRIPE	Total Gas Benefits				
A - Residential	20,256,824	5,149,974	17,160,831	2,365,578	44,933,207	83,388,230	16,563,843	99,952,073	27,231,189	2,989,209	30,220,398	105,629,710	14,263,841	1,778,797	296,778,125	104,202,447	402,980,572
2013	691,967	317,374	1,039,626	774,376	2,823,343	9,717,538	3,090,318	12,807,857	5,105,580	5,105,580	10,211,160	19,482,795	1,061,165	167,465	41,448,205	24,595,824	66,044,029
2014	1,422,011	424,061	1,389,103	826,557	4,061,732	11,323,237	4,523,591	15,846,827	5,373,834	1,688,222	7,062,056	20,962,821	3,616,264	237,892	51,787,592	27,708,088	79,495,680
2015	1,730,274	439,462	1,439,553	764,645	4,373,935	11,856,139	3,734,045	15,590,184	5,259,336	518,913	3,111,249	19,356,141	3,327,486	144,611	45,903,605	29,611,694	75,585,299
2016	5,134,303	1,322,992	4,430,739	-	10,888,034	17,185,472	2,940,833	20,126,304	4,279,709	325,360	4,605,069	13,483,599	1,790,742	304,167	51,197,195	7,830,833	59,028,748
2017	5,577,222	1,333,375	4,465,512	-	11,376,110	16,670,244	1,567,591	18,237,835	4,740,619	255,880	4,996,499	15,372,473	2,072,547	409,118	52,464,580	8,045,733	60,510,313
2018	5,701,146	1,312,708	4,396,297	-	11,410,152	16,635,661	707,465	17,343,066	5,139,111	200,834	5,339,945	16,971,881	2,395,637	515,545	53,976,227	8,340,276	62,316,503
B - Low-Income	2,203,773	567,233	1,883,942	412,856	5,067,808	8,174,394	1,767,478	9,941,872	271,801	78	271,879	30,331,039	3,002,861	132,468	48,747,923	14,584,184	63,332,107
2013	187,670	70,756	231,775	179,006	669,208	1,435,408	442,764	1,878,169	271,692	-	271,692	3,025,943	764,910	23,803	6,633,725	3,774,194	10,407,919
2014	282,814	76,580	250,198	130,099	739,490	1,266,638	536,601	1,803,239	18	18	36	3,199,691	198,465	14,580	5,955,501	2,570,431	8,525,932
2015	289,344	67,509	221,139	103,752	681,743	1,062,773	338,854	1,401,627	91	60	151	5,852,543	946,213	94,085	8,976,362	3,383,859	12,360,221
2016	410,154	107,121	358,752	-	876,027	1,303,676	228,357	1,532,033	-	-	-	5,412,969	312,557	-	8,133,586	1,448,698	9,582,085
2017	477,747	115,827	387,909	-	981,482	1,442,332	143,233	1,585,566	-	-	-	6,332,208	347,696	-	9,246,952	1,623,073	10,870,025
2018	556,044	129,641	434,170	-	1,119,854	1,663,566	77,672	1,741,239	-	-	-	6,507,685	433,019	-	9,801,796	1,784,130	11,585,926
C - Commercial & Industrial	33,903,531	9,066,519	30,140,008	7,121,089	80,231,146	121,254,456	29,477,536	150,731,992	(7,501,835)	(1,247,990)	(8,749,825)	11,743	2,461,309	65,042	224,751,208	40,068,112	264,819,320
2013	1,930,124	775,224	2,539,411	2,538,356	7,783,115	13,685,051	4,182,084	17,867,134	(159,054)	-	(159,054)	1,126,092	360,382	25,106	27,002,775	3,823,106	30,825,881
2014	3,913,436	1,128,674	3,097,214	2,255,796	10,995,120	22,396,141	10,305,587	32,701,728	(613,005)	(409,021)	(1,022,026)	(1,630,017)	457,123	-	41,501,907	9,522,416	51,024,323
2015	4,665,259	1,151,750	3,772,803	2,326,936	11,916,749	15,565,124	5,869,152	21,434,277	(951,389)	(493,572)	(1,444,961)	409,516	74,464	-	33,336,433	3,806,713	37,143,147
2016	7,158,301	1,996,137	6,685,118	5,183,955	15,839,555	22,754,503	4,924,986	27,679,488	(3,016,822)	(417,786)	(3,434,608)	(816,545)	285,717	14,158	39,567,765	6,555,717	46,123,483
2017	7,711,687	1,958,487	6,559,027	-	16,229,200	22,526,069	2,845,414	25,371,483	(1,817,880)	(179,248)	(2,000,128)	(191,867)	466,784	12,650	39,891,132	7,652,558	47,543,690
2018	8,524,724	2,056,249	6,886,435	-	17,467,407	24,327,568	1,350,314	25,677,882	(1,543,684)	(99,752)	(1,643,436)	1,119,584	816,640	13,118	43,451,194	8,707,802	52,158,997
Grand Total	56,364,227	14,783,726	49,184,781	9,899,523	130,232,257	212,817,080	47,808,827	260,623,907	20,001,155	(1,741,297)	(21,742,452)	135,972,492	19,727,811	1,976,307	570,277,256	160,584,743	731,131,999
2013	2,809,761	1,163,353	3,810,813	3,491,739	11,275,666	24,837,997	7,715,163	32,553,159	5,218,218	-	5,218,218	23,634,831	2,186,457	216,374	75,084,705	32,193,124	107,277,829
2014	5,618,262	1,629,115	5,336,515	3,212,451	15,796,343	34,986,016	15,365,778	50,351,794	4,760,846	1,279,219	6,040,066	22,532,475	4,271,851	252,472	99,245,001	19,940,935	119,185,936
2015	6,884,877	1,658,721	5,433,496	3,195,233	16,972,427	28,484,036	9,942,051	38,426,087	2,241,038	376,790	2,617,828	25,613,200	4,348,163	238,899	88,216,400	16,872,266	105,088,667
2016	12,702,757	3,426,250	11,474,609	27,603,616	41,243,650	80,941,736	49,337,816	1,282,888	(92,427)	1,170,461	18,080,023	2,389,017	318,325	-	98,899,267	15,835,048	114,734,315
2017	13,766,656	3,407,680	11,412,447	-	28,586,792	40,638,645	4,556,238	45,194,884	2,922,738	76,632	2,999,370	21,512,813	2,887,077	421,778	101,660,664	17,321,163	118,981,828
2018	14,781,914	3,498,598	11,716,902	-	29,997,414	42,626,735	2,135,451	44,762,187	3,595,427	101,082	3,696,509	24,599,150	3,645,296	528,663	107,229,218	18,832,207	126,061,425

Sector	2013-2018 Benefits, Percent of Total TRC Test Benefits										2013-2018 Benefits, Percent of Total TRC Test Benefits						
	Electric Benefits					Natural Gas Benefits					Deliverable Fuel Benefits		Other Benefits	Total Energy Benefits	Non-Energy Impacts	Total TRC Test Benefits	
	Capacity			Electric Energy		Natural Gas			Oil	Propane							
	Summer Generation	Transmission	Distribution	Capacity DRIPE	Total Capacity Benefits	Electric Energy	Electric Energy DRIPE	Total Electric Energy Benefits			Natural Gas	Natural Gas DRIPE	Total Gas Benefits				
A - Residential	5.0%	1.3%	4.3%	0.6%	11.2%	20.7%	4.1%	24.8%	6.8%	0.7%	7.5%	26.2%	3.5%	0.4%	73.6%	26.4%	100%
2013	0.5%	0.5%	1.6%	1.2%	4.3%	14.7%	4.7%	19.4%	7.7%	0.0%	7.7%	29.5%	1.6%	0.3%	62.8%	37.2%	100%
2014	1.8%	0.5%	1.7%	1.0%	5.1%	14.2%	5.7%	19.9%	6.8%	2.1%	8.9%	26.4%	4.5%	0.3%	65.1%	34.9%	100%
2015	2.3%	0.6%	1.9%	1.0%	5.8%	15.7%	4.9%	20.6%	3.4%	0.7%	4.1%	25.6%	4.4%	0.2%	60.7%	39.3%	100%
2016	8.7%	2.2%	7.5%	0.0%	18.4%	29.1%	5.0%	34.1%	7.3%	0.6%	7.8%	22.8%	3.0%	0.5%	86.7%	13.3%	100%
2017	9.2%	2.2%	7.4%	0.0%	18.8%	27.5%	2.6%	30.1%	7.8%	0.4%	8.3%	25.4%	3.4%	0.7%	86.7%	13.3%	100%
2018	9.1%	2.1%	7.1%	0.0%	18.3%	26.7%	1.1%	27.8%	8.2%	0.3%	8.6%	27.2%	3.8%	0.8%	86.6%	13.4%	100%
B - Low-Income	3.5%	0.9%	3.0%	0.7%	8.0%	12.9%	2.8%	15.7%	0.4%	0.0%	0.4%	47.9%	4.7%	0.2%	72.0%	23.0%	100%
2013	1.8%	0.7%	2.2%	1.7%	6.4%	13.8%	4.3%	18.0%	2.6%	0.0%	2.6%	29.1%	7.3%	0.2%	63.7%	36.3%	100%
2014	3.3%	0.9%	2.9%	1.5%	8.7%	14.9%	6.3%	21.2%	0.0%	0.0%	0.0%	37.5%	2.3%	0.2%	69.9%	30.1%	100%
2015	2.3%	0.5%	1.8%	0.8%	5.5%	8.6%	2.7%	11.3%	0.0%	0.0%	0.0%	47.3%	7.7%	0.8%	72.6%	27.4%	100%
2016	4.3%	1.1%	3.7%	0.0%	9.1%	13.6%	2.4%	16.0%	0.0%	0.0%	0.0%	56.5%	3.3%	0.0%	84.9%	15.1%	100%
2017	4.4%	1.1%	3.6%	0.0%	9.0%	13.3%	1.3%	14.6%	0.0%	0.0%	0.0%	58.3%	3.2%	0.0%	85.1%	14.9%	100%
2018	4.8%	1.1%	3.7%	0.0%	9.7%	14.4%	0.7%	15.0%	0.0%	0.0%	0.0%	56.2%	3.7%	0.0%	84.6%	15.4%	100%
C - Commercial & Industrial	12.8%	3.4%	11.4%	2.7%	30.3%	45.8%	11.1%	56.9%	-2.8%	-3.3%	-0.5%	0.0%	0.9%	0.0%	84.9%	15.1%	100%
2013	6.3%	2.5%	8.2%	8.2%	25.2%	44.4%	13.6%	58.0%	-0.5%	0.0%	-0.5%	3.7%	1.2%	0.1%	87.6%	12.4%	100%
2014	7.7%	2.2%	7.2%	4.4%	21.5%	43.9%	20.2%	64.1%	-1.2%	-0.8%	-2.0%	-3.2%	0.9%	0.0%	81.3%	18.7%	100%
2015	12.6%	3.1%	10.2%	6.3%	32.1%	41.9%	15.8%	57.7%	-0.9%	-0.4%	-1.3%	1.1%	0.2%	0.0%	89.8%	10.2%	100%
2016	15.5%	4.3%	14.5%	0.0%	34.3%	49.3%	10.7%	60.0%	-6.5%	-0.9%	-7.4%	-1.8%	0.6%	0.0%	85.8%	14.2%	100%
2017	16.2%	4.1%	13.8%	0.0%	34.1%	47.4%	6.0%	53.4%	-3.8%	-0.4%	-4.2%	-0.4%	1.0%	0.0%	83.9%	16.1%	100%
2018	16.3%	3.9%	13.2%	0.0%	33.5%	46.6%	2.6%	49.2%	-								

IV.D. Cost-Effectiveness
3.2.i. Savings Summary Table
Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Net Savings													
Program	# of Participants	Electric Savings				Natural Gas Savings		Deliverable Fuel Savings				Other Savings	
		Annual Capacity (kW)		Electric Energy (MWh)		(Therms)		Oil (MMBTU)		Propane (MMBTU)		Water (Gallons)	
		Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime
A - Residential	91,578	2,909	3,949	21,164	214,736	175,910	4,934,549	28,611	651,357	3,619	94,033	3,235,197	28,669,127
A1 - Residential Whole House	3,358	1,348	1,893	8,182	92,075	301,109	6,089,681	35,961	717,023	5,500	110,869	3,089,477	27,649,087
A1a - Residential New Construction	91	89	183	603	11,845	623	14,367	49	1,229	1,390	33,681	-	-
A1b - Residential Multi-Family Retrofit	317	14	155	387	5,712	281	2,260	319	5,369	13	224	143,053	1,001,373
A1c - Residential Home Energy Services - Measures	2,600	1,216	1,517	7,013	73,299	293,446	6,005,454	35,215	706,644	4,003	76,028	2,448,092	21,664,394
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-	-	-	-
A1e - Residential Behavior/Feedback Program	350	28	38	179	1,220	6,760	67,600	378	3,781	94	936	498,332	4,983,320
A2 - Residential Products	88,220	1,561	2,056	12,982	122,660	(125,199)	(1,155,132)	(7,350)	(65,665)	(1,881)	(16,836)	145,720	1,020,040
A2a - Residential Heating & Cooling Equipment	4,530	161	353	1,347	19,120	(4,082)	(73,483)	-	-	-	-	-	-
A2b - Residential Consumer Products	2,520	144	87	820	6,998	222	1,554	25	176	22	155	145,720	1,020,040
A2c - Residential Lighting	81,170	1,257	1,616	10,815	96,542	(121,339)	(1,083,203)	(7,375)	(65,842)	(1,903)	(16,991)	-	-
B - Low-Income	800	245	349	1,646	16,739	-	-	11,487	260,639	848	16,548	-	-
B1 - Low-Income Whole House	800	245	349	1,646	16,739	-	-	11,487	260,639	848	16,548	-	-
B1a - Low-Income Single Family Retrofit	560	212	241	1,282	12,388	-	-	5,221	103,981	848	16,548	-	-
B1b - Low-Income Multi-Family Retrofit	240	33	108	364	4,351	-	-	6,266	156,658	-	-	-	-
C - Commercial & Industrial	2,245	6,229	5,232	35,664	304,480	(260,154)	(3,874,563)	(11,390)	(49,419)	1,688	15,579	296,204	1,332,920
C1 - C&I New Construction	87	569	621	3,508	67,778	(158,364)	(3,149,563)	(578)	(7,901)	-	-	-	-
C1a - C&I New Buildings & Major Renovations	37	96	52	432	6,604	(2,778)	(37,855)	(578)	(7,901)	-	-	-	-
C1b - C&I Initial Purchase & End of Useful Life	50	473	569	3,076	61,174	(155,585)	(3,111,709)	-	-	-	-	-	-
C2 - C&I Retrofit	2,158	5,660	4,611	32,155	236,703	(101,791)	(724,999)	(10,812)	(41,518)	1,688	15,579	296,204	1,332,920
C2a - C&I Existing Building Retrofit	151	715	622	3,905	45,743	6,451	13,475	(1,184)	(18,460)	331	3,697	-	-
C2b - C&I Small Business	490	1,128	1,033	7,268	81,707	(30,272)	(347,967)	5,297	47,290	1,344	11,633	-	-
C2c - C&I Multifamily Retrofit	317	14	157	387	5,734	290	2,858	315	2,249	13	249	296,204	1,332,920
C2d - C&I Upstream Lighting	1,200	3,802	2,799	20,595	103,517	(78,260)	(393,366)	(15,240)	(76,603)	-	-	-	-
Grand Total	94,623	9,383	9,531	58,474	535,955	(84,244)	1,059,987	28,708	862,577	6,155	126,159	3,531,402	30,002,047

2017 Net Savings													
Program	# of Participants	Electric Savings				Natural Gas Savings		Deliverable Fuel Savings				Other Savings	
		Annual Capacity (kW)		Electric Energy (MWh)		(Therms)		Oil (MMBTU)		Propane (MMBTU)		Water (Gallons)	
		Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime
A - Residential	83,043	2,746	3,661	18,989	204,061	215,703	5,384,305	34,272	731,094	4,744	107,618	4,137,458	38,607,152
A1 - Residential Whole House	3,544	1,439	1,889	8,196	94,074	315,233	6,380,176	40,062	787,078	6,222	121,956	3,991,738	37,587,112
A1a - Residential New Construction	87	85	169	540	10,994	592	13,680	47	1,175	1,326	32,152	-	-
A1b - Residential Multi-Family Retrofit	326	16	137	345	5,024	281	2,260	328	5,544	14	236	127,914	895,398
A1c - Residential Home Energy Services - Measures	2,731	1,311	1,544	7,127	76,872	307,601	6,296,636	39,309	776,579	4,789	88,632	3,365,492	31,708,394
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-	-	-	-
A1e - Residential Behavior/Feedback Program	400	29	39	184	1,184	6,760	67,600	378	3,781	94	936	498,332	4,983,320
A2 - Residential Products	79,499	1,307	1,772	10,793	109,987	(99,531)	(995,871)	(5,790)	(55,985)	(1,479)	(14,338)	145,720	1,020,040
A2a - Residential Heating & Cooling Equipment	4,718	169	406	1,426	20,543	(4,082)	(73,483)	-	-	-	-	-	-
A2b - Residential Consumer Products	2,520	147	91	839	7,096	222	1,554	25	176	22	155	145,720	1,020,040
A2c - Residential Lighting	72,262	991	1,274	8,527	82,348	(95,671)	(923,942)	(5,815)	(56,161)	(1,501)	(14,493)	-	-
B - Low-Income	960	259	382	1,758	18,257	-	-	13,117	299,136	927	18,126	-	-
B1 - Low-Income Whole House	960	259	382	1,758	18,257	-	-	13,117	299,136	927	18,126	-	-
B1a - Low-Income Single Family Retrofit	640	221	256	1,329	13,371	-	-	5,670	112,973	927	18,126	-	-
B1b - Low-Income Multi-Family Retrofit	320	38	126	429	4,886	-	-	7,447	186,163	-	-	-	-
C - Commercial & Industrial	2,472	6,200	5,041	35,764	302,766	(186,293)	(2,309,939)	(5,790)	(12,124)	2,951	24,873	264,857	1,191,857
C1 - C&I New Construction	87	292	269	1,781	33,194	(73,623)	(1,456,609)	(515)	(7,030)	-	-	-	-
C1a - C&I New Buildings & Major Renovations	37	96	52	558	9,109	(2,467)	(33,492)	(515)	(7,030)	-	-	-	-
C1b - C&I Initial Purchase & End of Useful Life	50	196	217	1,223	24,085	(71,156)	(1,423,117)	-	-	-	-	-	-
C2 - C&I Retrofit	2,385	5,908	4,772	33,983	269,572	(112,670)	(853,330)	(5,275)	(5,095)	2,951	24,873	264,857	1,191,857
C2a - C&I Existing Building Retrofit	159	804	657	5,201	66,205	5,667	54,894	(1,593)	(21,197)	318	4,139	-	-
C2b - C&I Small Business	700	1,552	1,375	9,280	102,018	(45,834)	(545,153)	10,169	80,915	2,619	20,469	-	-
C2c - C&I Multifamily Retrofit	326	15	137	345	5,052	290	2,858	325	6,447	14	265	264,857	1,191,857
C2d - C&I Upstream Lighting	1,200	3,537	2,603	19,156	96,297	(72,793)	(365,928)	(14,176)	(71,260)	-	-	-	-
Grand Total	86,475	9,205	9,084	56,511	525,083	29,410	3,074,367	41,598	1,018,105	8,621	150,617	4,402,315	39,799,009

IV.D. Cost-Effectiveness
 3.2.i. Savings Summary Table
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

2018 Net Savings															
Program	# of Participants	Electric Savings				Natural Gas Savings				Deliverable Fuel Savings				Other Savings	
		Annual Capacity (kW)		Electric Energy (MWh)		(Therms)		Oil (MMBTU)		Propane (MMBTU)		Water (Gallons)			
		Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime
A - Residential	77,345	2,556	3,461	17,284	197,549	242,282	5,762,293	38,638	795,256	5,886	123,286	5,059,487	48,683,555		
A1 - Residential Whole House	3,743	1,453	1,902	8,237	98,031	330,116	6,685,708	43,234	843,566	7,056	135,644	4,913,767	47,663,515		
A1a - Residential New Construction	90	87	172	618	12,767	612	14,148	49	1,215	-	33,257	-	-		
A1b - Residential Multi-Family Retrofit	336	18	140	354	5,181	290	2,328	338	5,719	14	236	132,543	927,801		
A1c - Residential Home Energy Services - Measures	2,867	1,319	1,550	7,078	78,950	322,453	6,601,632	42,469	832,851	5,578	101,215	4,282,892	41,752,394		
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1e - Residential Behavior/Feedback Program	450	29	40	187	1,133	6,760	67,600	378	3,781	94	936	498,332	4,983,320		
A2 - Residential Products	73,602	1,104	1,559	9,047	99,518	(87,833)	(923,415)	(4,595)	(48,311)	(1,170)	(12,357)	145,720	1,020,040		
A2a - Residential Heating & Cooling Equipment	4,905	178	462	1,511	22,036	(4,082)	(73,483)	-	-	-	-	-	-		
A2b - Residential Consumer Products	2,370	138	85	761	6,386	222	1,554	25	176	22	155	145,720	1,020,040		
A2c - Residential Lighting	66,327	787	1,012	6,775	71,095	(83,973)	(851,485)	(4,621)	(48,487)	(1,192)	(12,513)	-	-		
B - Low-Income	1,120	282	433	1,936	20,600	-	-	13,398	302,789	1,137	22,334	-	-		
B1 - Low-Income Whole House	1,120	282	433	1,936	20,600	-	-	13,398	302,789	1,137	22,334	-	-		
B1a - Low-Income Single Family Retrofit	720	241	291	1,450	15,251	-	-	6,345	126,461	1,137	22,334	-	-		
B1b - Low-Income Multi-Family Retrofit	400	42	142	486	5,350	-	-	7,053	176,328	-	-	-	-		
C - Commercial & Industrial	2,751	6,451	5,309	37,792	322,420	(161,601)	(1,937,295)	4,061	60,235	5,232	42,877	274,442	1,234,989		
C1 - C&I New Construction	87	286	259	1,859	34,715	(59,358)	(1,169,423)	(578)	(7,908)	-	-	-	-		
C1a - C&I New Buildings & Major Renovations	37	96	52	684	11,627	(2,781)	(37,892)	(578)	(7,908)	-	-	-	-		
C1b - C&I Initial Purchase & End of Useful Life	50	190	207	1,175	23,088	(56,577)	(1,131,530)	-	-	-	-	-	-		
C2 - C&I Retrofit	2,664	6,165	5,050	35,934	287,705	(102,244)	(767,872)	4,640	68,143	5,232	42,877	274,442	1,234,989		
C2a - C&I Existing Building Retrofit	163	852	702	5,927	72,965	3,403	5,135	(2,205)	(29,991)	317	3,923	-	-		
C2b - C&I Small Business	965	2,026	1,802	11,936	120,474	(38,620)	(437,465)	19,620	157,412	4,902	38,688	-	-		
C2c - C&I Multifamily Retrofit	336	16	139	354	5,190	300	2,948	335	6,639	14	265	274,442	1,234,989		
C2d - C&I Upstream Lighting	1,200	3,271	2,408	17,718	89,076	(67,327)	(338,490)	(13,111)	(65,917)	-	-	-	-		
Grand Total	81,216	9,290	9,203	57,012	540,570	80,681	3,824,998	56,097	1,158,279	12,256	188,497	5,333,929	49,918,545		

2016-2018 Net Savings															
Program	# of Participants	Electric Savings				Natural Gas Savings				Deliverable Fuel Savings				Other Savings	
		Annual Capacity (kW)		Electric Energy (MWh)		(Therms)		Oil (MMBTU)		Propane (MMBTU)		Water (Gallons)			
		Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime
A - Residential	251,967	8,212	11,071	57,436	616,346	633,895	16,081,147	101,521	2,177,707	14,248	324,937	12,432,142	115,959,834		
A1 - Residential Whole House	10,645	4,240	5,684	24,614	284,181	946,459	19,155,565	119,257	2,347,667	18,778	368,468	11,994,982	112,899,714		
A1a - Residential New Construction	268	261	525	1,760	35,606	1,827	42,195	145	3,618	4,087	99,090	-	-		
A1b - Residential Multi-Family Retrofit	979	48	431	1,086	15,917	852	6,848	984	16,633	40	696	403,510	2,824,572		
A1c - Residential Home Energy Services - Measures	8,198	3,846	4,610	21,218	229,120	923,500	18,903,722	116,993	2,316,073	14,370	265,874	10,096,476	95,125,182		
A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-	-	-	-		
A1e - Residential Behavior/Feedback Program	1,200	86	118	550	3,537	20,280	202,800	1,134	11,343	281	2,808	1,494,996	14,949,960		
A2 - Residential Products	241,322	3,972	5,387	32,822	332,165	(312,563)	(3,074,418)	(17,736)	(169,961)	(4,530)	(43,531)	437,160	3,060,120		
A2a - Residential Heating & Cooling Equipment	14,153	508	1,221	4,285	61,699	(12,247)	(220,450)	-	-	-	-	-	-		
A2b - Residential Consumer Products	7,410	429	263	2,420	20,481	666	4,662	76	529	67	466	437,160	3,060,120		
A2c - Residential Lighting	219,759	3,036	3,903	26,116	249,985	(300,982)	(2,858,630)	(17,811)	(170,490)	(4,596)	(43,997)	-	-		
B - Low-Income	2,880	786	1,165	5,340	55,596	-	-	38,001	862,563	2,913	57,008	-	-		
B1 - Low-Income Whole House	2,880	786	1,165	5,340	55,596	-	-	38,001	862,563	2,913	57,008	-	-		
B1a - Low-Income Single Family Retrofit	1,920	673	788	4,061	41,009	-	-	17,235	343,415	2,913	57,008	-	-		
B1b - Low-Income Multi-Family Retrofit	960	113	377	1,279	14,587	-	-	20,766	519,148	-	-	-	-		
C - Commercial & Industrial	7,468	18,880	15,582	109,220	929,666	(608,049)	(8,121,796)	(13,119)	(1,308)	9,871	83,329	835,504	3,759,767		
C1 - C&I New Construction	261	1,147	1,149	7,148	135,687	(291,344)	(5,775,594)	(1,671)	(22,839)	-	-	-	-		
C1a - C&I New Buildings & Major Renovations	111	289	156	1,674	27,339	(8,026)	(109,238)	(1,671)	(22,839)	-	-	-	-		
C1b - C&I Initial Purchase & End of Useful Life	150	859	993	5,474	108,347	(283,318)	(5,666,356)	-	-	-	-	-	-		
C2 - C&I Retrofit	7,207	17,733	14,434	102,072	793,980	(316,705)	(2,346,202)	(11,448)	21,531	9,871	83,329	835,504	3,759,767		
C2a - C&I Existing Building Retrofit	473	2,371	1,981	15,034	184,914	15,522	73,504	(4,982)	(69,648)	966	11,759	-	-		
C2b - C&I Small Business	2,155	4,706	4,210	28,484	304,200	(114,726)	(1,330,586)	35,086	285,617	8,864	70,789	-	-		
C2c - C&I Multifamily Retrofit	979	46	432	1,086	15,976	880	8,665	975	19,342	40	780	835,504	3,759,767		
C2d - C&I Upstream Lighting	3,600	10,610	7,810	57,469	288,891	(218,380)	(1,097,784)	(42,527)	(213,779)	-	-	-	-		
Grand Total	262,315	27,878	27,819	171,996	1,601,608	25,846	7,959,351	126,403	3,038,961	27,032	465,274	13,267,646	119,719,601		

IV.D. Cost-Effectiveness

3.2.ii. Savings Comparison Table - Three Year Plan vs. Previous Years

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

Sector	# of Participants	Electric Net Savings				Natural Gas Net Savings		Deliverable Fuel Net Savings				Other Net Savings	
		Annual Capacity (kW)		Electric Energy (MWh)		Therms		Oil (MMBTU)		Propane (MMBTU)		Water (Gallons)	
		Summer	Winter	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime	Annual	Lifetime
A - Residential	474,003	13,825	21,074	102,926	1,042,344	1,345,227	30,962,908	207,568	4,362,893	28,124	604,351	19,165,237	166,452,001
2013	52,733	1,678	2,688	13,159	115,891	260,473	5,396,994	36,140	746,698	1,450	29,504	2,125,418	14,877,925
2014	87,366	2,023	3,347	15,635	153,882	308,771	6,442,890	37,169	754,016	6,506	130,952	2,791,929	22,160,583
2015	81,938	1,912	3,967	16,696	156,226	142,088	3,041,876	32,738	684,472	5,920	118,958	1,815,748	13,453,660
2016	91,578	2,909	3,949	21,164	214,736	175,910	4,934,549	28,611	651,357	3,619	94,033	3,235,197	28,669,127
2017	83,043	2,746	3,661	18,989	204,061	215,703	5,384,305	34,272	731,094	4,744	107,618	4,137,458	38,607,152
2018	77,345	2,556	3,461	17,284	197,549	242,282	5,762,293	38,638	795,256	5,886	123,286	5,059,487	48,683,555
B - Low-Income	6,794	1,619	2,334	10,741	104,857	11,495	283,847	60,679	1,305,308	6,000	119,442	1,712,029	12,210,803
2013	1,718	291	355	1,828	17,237	11,471	283,679	5,897	116,846	1,060	21,289	302,100	2,114,700
2014	1,271	311	375	1,928	17,693	4	28	5,883	116,211	369	7,222	193,344	1,353,408
2015	925	231	439	1,647	14,330	20	140	10,898	209,688	1,658	33,924	1,216,585	8,742,695
2016	800	245	349	1,646	16,739	-	-	11,487	260,639	848	16,548	-	-
2017	960	259	382	1,758	18,257	-	-	13,117	299,136	927	18,126	-	-
2018	1,120	282	433	1,936	20,600	-	-	13,398	302,789	1,137	22,334	-	-
C - Commercial & Industrial	12,359	31,743	24,874	175,619	1,627,093	(720,199)	(9,655,993)	(19,581)	(6,770)	12,159	112,793	835,504	3,759,767
2013	1,423	3,006	2,155	13,639	159,994	28,100	(177,645)	3,175	50,106	923	9,939	-	-
2014	2,101	5,230	3,996	32,827	322,724	(94,217)	(875,552)	(11,336)	(72,660)	1,106	16,771	-	-
2015	1,367	4,627	3,141	19,934	214,709	(46,033)	(481,000)	1,698	17,092	259	2,754	-	-
2016	2,245	6,229	5,232	35,664	304,480	(260,154)	(3,874,563)	(11,390)	(49,419)	1,688	15,579	296,204	1,332,920
2017	2,472	6,200	5,041	35,764	302,766	(186,293)	(2,309,939)	(5,790)	(12,124)	2,951	24,873	264,857	1,191,857
2018	2,751	6,451	5,309	37,792	322,420	(161,601)	(1,937,295)	4,061	60,235	5,232	42,877	274,442	1,234,989
Grand Total	493,156	47,186	48,282	289,287	2,774,293	636,523	21,590,762	248,665	5,661,431	46,282	836,586	21,712,770	182,422,571
2013	55,874	4,975	5,198	28,625	293,122	300,043	5,503,028	45,211	913,651	3,434	60,732	2,427,518	16,992,625
2014	90,738	7,563	7,718	50,389	494,299	214,559	5,567,367	31,716	797,567	7,981	154,945	2,985,273	23,513,991
2015	84,230	6,770	7,547	38,276	385,265	96,075	2,561,016	45,335	911,252	7,836	155,635	3,032,333	22,196,355
2016	94,623	9,383	9,531	58,474	535,955	(84,244)	1,059,987	28,708	862,577	6,155	126,159	3,531,402	30,002,047
2017	86,475	9,205	9,084	56,511	525,083	29,410	3,074,367	41,598	1,018,105	8,621	150,617	4,402,315	39,799,009
2018	81,216	9,290	9,203	57,012	540,570	80,681	3,824,998	56,097	1,158,279	12,256	188,497	5,333,929	49,918,545

Notes:

2013 values are from the Program Administrator's 2013 Plan Year Report D.P.U. 14-87.

2014 values are from the Program Administrator's 2014 Plan Year Report, D.P.U. 15-49.

2015 values are from the Program Administrator's 2013-2015 Three-Year Plan, D.P.U. 14-05.

For supporting information on the 2016-2018 values, see Table IV.D.3.2.i.

The Program Administrators have developed new participant definitions through the common assumptions working group for the 2016-2018 Three-Year Plan. Historical participant numbers may not be comparable.

IV.D. Cost-Effectiveness

3.3.iii. T&D Avoided Costs Comparison Table - Three Year Plan vs. Previous Years

Cape Light Compact

October 30, 2015

D.P.U. 15-166

Exh. Compact-4, Data Tables

H.O.s Leupold and Hale

Avoided Cost Factors (\$/kW)		
Year	Distribution	Transmission
2013	\$68.79	\$21.00
2014	\$68.79	\$21.00
2015	\$68.79	\$21.00
2016	\$122.34	\$36.53
2017	\$122.34	\$36.53
2018	\$122.34	\$36.53

Notes:

2013 values are from the Program Administrator's 2013 Plan Year Report D.P.U. 14-87, in 2013\$.

2014 values are from the Program Administrator's 2014 Plan Year Report, D.P.U. 15-49, in 2013\$.

2015 values are from the Program Administrator's 2013-2015 Three-Year Plan, D.P.U. 14-05, in 2013\$.

For supporting information on the 2016-2018 values, refer to the Program Administrator's Benefit-Cost Screening Model. The 2016-2018 values are in 2016\$.

IV.H. Performance Incentive

1. Summary Table

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Performance Incentives				
Sector	After-Tax		Pre-Tax	
	Performance Incentives	% of Program Costs	Performance Incentives	% of Program Costs
Residential	-	0.0%	-	0.0%
Low-Income	-	0.0%	-	0.0%
Commercial & Industrial	-	0.0%	-	0.0%
Grand Total	-	0.0%	-	0.0%

2017 Performance Incentives				
Sector	After-Tax		Pre-Tax	
	Performance Incentives	% of Program Costs	Performance Incentives	% of Program Costs
Residential	-	0.0%	-	0.0%
Low-Income	-	0.0%	-	0.0%
Commercial & Industrial	-	0.0%	-	0.0%
Grand Total	-	0.0%	-	0.0%

2018 Performance Incentives				
Sector	After-Tax		Pre-Tax	
	Performance Incentives	% of Program Costs	Performance Incentives	% of Program Costs
Residential	-	0.0%	-	0.0%
Low-Income	-	0.0%	-	0.0%
Commercial & Industrial	-	0.0%	-	0.0%
Grand Total	-	0.0%	-	0.0%

2016-2018 Performance Incentives				
Sector	After-Tax		Pre-Tax	
	Performance Incentives	% of Program Costs	Performance Incentives	% of Program Costs
Residential	-	0.0%	-	0.0%
Low-Income	-	0.0%	-	0.0%
Commercial & Industrial	-	0.0%	-	0.0%
Grand Total	-	0.0%	-	0.0%

Notes:

Performance Incentives for each year in 2016-2018 are represented in nominal dollars (2016\$, 2017\$, 2018\$).

For supporting information on the Performance Incentive, refer to the Performance Incentive Model.

Performance Incentives are not applicable to the Cape Light Compact.

V.B. Allocation of Funds

1. Low-Income Minimum

D.P.U. 15-166

Cape Light Compact

Exh. Compact-4, Data Tables

October 30, 2015

H.O.s Leupold and Hale

2016 Sector Cost Allocation		
Sector	Program Budget	
	(\$)	(% of Total)
A - Residential	21,682,579	56.5%
B - Low-Income	4,045,512	10.5%
C - Commercial & Industrial	12,672,028	33.0%
Grand Total	38,400,119	100%

2017 Sector Cost Allocation		
Sector	Program Budget	
	(\$)	(% of Total)
A - Residential	22,596,621	53.8%
B - Low-Income	4,464,004	10.6%
C - Commercial & Industrial	14,936,382	35.6%
Grand Total	41,997,006	100%

2018 Sector Cost Allocation		
Sector	Program Budget	
	(\$)	(% of Total)
A - Residential	23,712,462	51.5%
B - Low-Income	4,967,996	10.8%
C - Commercial & Industrial	17,390,697	37.7%
Grand Total	46,071,154	100%

2016-2018 Sector Cost Allocation		
Sector	Program Budget	
	(\$)	(% of Total)
A - Residential	67,991,662	53.8%
B - Low-Income	13,477,511	10.7%
C - Commercial & Industrial	44,999,106	35.6%
Grand Total	126,468,280	100%

Notes:

General Laws c. 25, § 19(c) requires that at least 10 percent of the amount expended for electric energy efficiency programs and at least 20 percent of the amount expended for gas energy efficiency programs be spent on low-income programs.

V.D. Outsourced/Competitively Procured Services

1. Summary Table

Cape Light Compact
October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

2016 Competitively Procured Services		
Sector & Cost Categories	Costs (\$)	Costs as a Percent of
A - Residential		
Total Cost of Services	7,105,905	100%
In-House Activities	1,215,676	17%
Outsourced Activities	5,890,229	83%
Competitively Procured	5,573,484	78%
Non-Competitively Procured	316,745	4%
B - Low-Income		
Total Cost of Services	1,199,642	100%
In-House Activities	136,226	11%
Outsourced Activities	1,063,416	89%
Competitively Procured	967,491	81%
Non-Competitively Procured	95,925	8%
C - Commercial & Industrial		
Total Cost of Services	3,330,783	100%
In-House Activities	844,419	25%
Outsourced Activities	2,486,363	75%
Competitively Procured	2,305,031	69%
Non-Competitively Procured	181,332	5%
Grand Total		
Total Cost of Services	11,636,330	100%
In-House Activities	2,196,321	19%
Outsourced Activities	9,440,009	81%
Competitively Procured	8,846,006	76%
Non-Competitively Procured	594,002	5%

2017 Competitively Procured Services		
Sector & Cost Categories	Costs (\$)	Costs as a Percent of
A - Residential		
Total Cost of Services	7,241,023	100%
In-House Activities	1,219,314	17%
Outsourced Activities	6,021,709	83%
Competitively Procured	5,720,981	79%
Non-Competitively Procured	300,729	4%
B - Low-Income		
Total Cost of Services	1,262,094	100%
In-House Activities	139,267	11%
Outsourced Activities	1,122,826	89%
Competitively Procured	1,022,544	81%
Non-Competitively Procured	100,282	8%
C - Commercial & Industrial		
Total Cost of Services	3,539,229	100%
In-House Activities	892,115	25%
Outsourced Activities	2,647,114	75%
Competitively Procured	2,450,430	69%
Non-Competitively Procured	196,684	6%
Grand Total		
Total Cost of Services	12,042,346	100%
In-House Activities	2,250,696	19%
Outsourced Activities	9,791,650	81%
Competitively Procured	9,193,954	76%
Non-Competitively Procured	597,696	5%

V.D. Outsourced/Competitively Procured Services

1. Summary Table

D.P.U. 15-166

Cape Light Compact

Exh. Compact-4, Data Tables

October 30, 2015

H.O.s Leupold and Hale

2018 Competitively Procured Services		
Sector & Cost Categories	Costs (\$)	Costs as a Percent of
A - Residential		
Total Cost of Services	7,504,271	100%
In-House Activities	1,230,869	16%
Outsourced Activities	6,273,402	84%
Competitively Procured	5,960,556	79%
Non-Competitively Procured	312,846	4%
B - Low-Income		
Total Cost of Services	1,403,346	100%
In-House Activities	143,489	10%
Outsourced Activities	1,259,857	90%
Competitively Procured	1,148,804	82%
Non-Competitively Procured	111,054	8%
C - Commercial & Industrial		
Total Cost of Services	3,831,847	100%
In-House Activities	939,506	25%
Outsourced Activities	2,892,340	75%
Competitively Procured	2,663,809	70%
Non-Competitively Procured	228,531	6%
Grand Total		
Total Cost of Services	12,739,463	100%
In-House Activities	2,313,864	18%
Outsourced Activities	10,425,600	82%
Competitively Procured	9,773,169	77%
Non-Competitively Procured	652,431	5%

2016-2018 Competitively Procured Services		
Sector & Cost Categories	Costs (\$)	Costs as a Percent of
A - Residential		
Total Cost of Services	21,851,199	100%
In-House Activities	3,665,859	17%
Outsourced Activities	18,185,340	83%
Competitively Procured	17,255,021	79%
Non-Competitively Procured	930,320	4%
B - Low-Income		
Total Cost of Services	3,865,081	100%
In-House Activities	418,981	11%
Outsourced Activities	3,446,100	89%
Competitively Procured	3,138,839	81%
Non-Competitively Procured	307,261	8%
C - Commercial & Industrial		
Total Cost of Services	10,701,859	100%
In-House Activities	2,676,041	25%
Outsourced Activities	8,025,818	75%
Competitively Procured	7,419,270	69%
Non-Competitively Procured	606,548	6%
Grand Total		
Total Cost of Services	36,418,140	100%
In-House Activities	6,760,881	19%
Outsourced Activities	29,657,258	81%
Competitively Procured	27,813,130	76%
Non-Competitively Procured	1,844,129	5%

Notes:

General Laws c. 25, § 19(b) requires the Department to ensure that energy efficiency programs use competitive procurement processes to the fullest extent practicable.

Costs for the Competitively Procured Services analysis include Program Planning and Administration; Marketing and Advertising; Sales, Technical Assistance & Training; and Evaluation and Market Research.

Costs for each year in 2016-2018 are represented in nominal dollars (2016\$, 2017\$, 2018\$).

The budgets in the above tables do not include costs associated with the Cape Light Compact's Demand Response Demonstration Offering.

V.D. Outsourced/Competitively Procured Services
3. Comparison Table - Three Year Plan vs. Previous Years

Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

Sector	Competitively Procured Services Costs (\$)					Competitively Procured Services Costs as a Percent of Total Sector Costs (%)				
	Total Cost of Services	In-House Activities	Outsourced Activities			Total Cost of Services	In-House Activities	Outsourced Activities		
			Total Outsourced	Competitively	Non-Competitively			Total	Competitively	Non-Competitively
A - Residential	32,471,107	6,413,782	26,057,325	24,262,009	1,795,316	100%	20%	80%	75%	6%
2013	3,402,072	875,644	2,526,428	2,247,376	279,052	100%	26%	74%	66%	8%
2014	3,538,282	915,761	2,622,521	2,334,341	288,180	100%	26%	74%	66%	8%
2015	3,679,553	956,518	2,723,036	2,425,271	297,765	100%	26%	74%	66%	8%
2016	7,105,905	1,215,676	5,890,229	5,573,484	316,745	100%	17%	83%	78%	4%
2017	7,241,023	1,219,314	6,021,709	5,720,981	300,729	100%	17%	83%	79%	4%
2018	7,504,271	1,230,869	6,273,402	5,960,556	312,846	100%	16%	84%	79%	4%
B - Low-Income	6,792,657	1,042,577	5,750,080	5,126,808	623,272	100%	15%	85%	75%	9%
2013	972,830	199,066	773,765	672,884	100,880	100%	20%	80%	69%	10%
2014	910,097	205,870	704,227	604,020	100,208	100%	23%	77%	66%	11%
2015	1,044,648	218,660	825,988	711,065	114,923	100%	21%	79%	68%	11%
2016	1,199,642	136,226	1,063,416	967,491	95,925	100%	11%	89%	81%	8%
2017	1,262,094	139,267	1,122,826	1,022,544	100,282	100%	11%	89%	81%	8%
2018	1,403,346	143,489	1,259,857	1,148,804	111,054	100%	10%	90%	82%	8%
C - Commercial & Industrial	17,329,607	4,648,097	12,681,510	11,662,342	1,019,168	100%	27%	73%	67%	6%
2013	2,501,484	654,279	1,847,205	1,717,480	129,725	100%	26%	74%	69%	5%
2014	2,045,739	645,615	1,400,124	1,262,712	137,412	100%	32%	68%	62%	7%
2015	2,080,526	672,162	1,408,364	1,262,881	145,483	100%	32%	68%	61%	7%
2016	3,330,783	844,419	2,486,363	2,305,031	181,332	100%	25%	75%	69%	5%
2017	3,539,229	892,115	2,647,114	2,450,430	196,684	100%	25%	75%	69%	6%
2018	3,831,847	939,506	2,892,340	2,663,809	228,531	100%	25%	75%	70%	6%
Grand Total	56,593,371	12,104,456	44,488,916	41,051,159	3,437,757	100%	21%	79%	73%	6%
2013	6,876,387	1,728,990	5,147,397	4,637,741	509,657	100%	25%	75%	67%	7%
2014	6,494,118	1,767,246	4,726,872	4,201,072	525,800	100%	27%	73%	65%	8%
2015	6,804,727	1,847,339	4,957,388	4,399,216	558,172	100%	27%	73%	65%	8%
2016	11,636,330	2,196,321	9,440,009	8,846,006	594,002	100%	19%	81%	76%	5%
2017	12,042,346	2,250,696	9,791,650	9,193,954	597,696	100%	19%	81%	76%	5%
2018	12,739,463	2,313,864	10,425,600	9,773,169	652,431	100%	18%	82%	77%	5%

Notes:
 General Laws c. 25, § 19(b) requires the Department to ensure that energy efficiency programs use competitive procurement processes to the fullest extent practicable.
 Costs for the Competitively Procured Services analysis include Program Planning and Administration; Marketing and Advertising; Sales, Technical Assistance & Training; and Evaluation and Market Research.
 The 2013-2015 costs are from the Program Administrator's 2013-2015 Three-Year Plan, D.P.U. 14-05, in nominal dollars (2013\$, 2014\$, 2015\$).
 For supporting information on the 2016-2018 values, see Table V.D.1. Costs for each year in 2016-2018 are represented in nominal dollars (2016\$, 2017\$, 2018\$).
 The budgets in the above tables do not include costs associated with the Cape Light Compact's Demand Response Demonstration Offering.

VII. Appendix

GHG reductions are provided for information purposes only. They are not included in the TRC test.

Cape Light Compact

October 30, 2015

D.P.U. 15-166

Exh. Compact-4, Data Tables

H.O.s Leupold and Hale

2016 Greenhouse Gas Reductions											
Sector	Adjusted Gross Annual Savings			GHG Factors					Annual Emissions Reductions (Short Tons)		
	Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	NOX		CO2			NOX	SO2	CO2
				Electric Energy	Electric Energy	Electric Energy	Natural Gas	Oil			
A - Residential	24,754	84,333	20,549	0.000193548	0.000172043	0.392473	0.00585	0.080693	4.8	4.3	11,867
B - Low-Income	1,646	-	11,487	0.000193548	0.000172043	0.392473	0.00585	0.080693	0.3	0.3	1,573
C - Commercial & Industrial	29,892	(237,246)	(6,961)	0.000193548	0.000172043	0.392473	0.00585	0.080693	5.8	5.1	9,782
Grand Total	56,292	(152,913)	25,074	0.000193548	0.000172043	0.392473	0.00585	0.080693	10.9	9.7	23,222

2017 Greenhouse Gas Reductions											
Sector	Adjusted Gross Annual Savings			GHG Factors					Annual Emissions Reductions (Short Tons)		
	Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	NOX		CO2			NOX	SO2	CO2
				Electric Energy	Electric Energy	Electric Energy	Natural Gas	Oil			
A - Residential	22,397	125,119	26,131	0.000193548	0.000172043	0.392473	0.00585	0.080693	4.3	3.9	11,631
B - Low-Income	1,758	-	13,117	0.000193548	0.000172043	0.392473	0.00585	0.080693	0.3	0.3	1,748
C - Commercial & Industrial	31,506	(167,751)	(2,453)	0.000193548	0.000172043	0.392473	0.00585	0.080693	6.1	5.4	11,186
Grand Total	55,662	(42,632)	36,795	0.000193548	0.000172043	0.392473	0.00585	0.080693	10.8	9.6	24,565

2018 Greenhouse Gas Reductions											
Sector	Adjusted Gross Annual Savings			GHG Factors					Annual Emissions Reductions (Short Tons)		
	Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	NOX		CO2			NOX	SO2	CO2
				Electric Energy	Electric Energy	Electric Energy	Natural Gas	Oil			
A - Residential	20,650	148,531	30,313	0.000193548	0.000172043	0.392473	0.00585	0.080693	4.0	3.6	11,420
B - Low-Income	1,936	-	13,398	0.000193548	0.000172043	0.392473	0.00585	0.080693	0.4	0.3	1,841
C - Commercial & Industrial	34,975	(148,559)	6,215	0.000193548	0.000172043	0.392473	0.00585	0.080693	6.8	6.0	13,359
Grand Total	57,561	(28)	49,926	0.000193548	0.000172043	0.392473	0.00585	0.080693	11.1	9.9	26,620

2016-2018 Greenhouse Gas Reductions											
Sector	Adjusted Gross Annual Savings			GHG Factors					Annual Emissions Reductions (Short Tons)		
	Electric Energy (MWh)	Natural Gas (Therms)	Oil (MMBTU)	NOX		CO2			NOX	SO2	CO2
				Electric Energy	Electric Energy	Electric Energy	Natural Gas	Oil			
A - Residential	67,802	357,983	76,993	0.000193548	0.000172043	0.392473	0.00585	0.080693	13.1	11.7	34,917
B - Low-Income	5,340	-	38,001	0.000193548	0.000172043	0.392473	0.00585	0.080693	1.0	0.9	5,162
C - Commercial & Industrial	96,373	(553,555)	(3,199)	0.000193548	0.000172043	0.392473	0.00585	0.080693	18.7	16.6	34,327
Grand Total	169,514	(195,573)	111,795	0.000193548	0.000172043	0.392473	0.00585	0.080693	32.8	29.2	74,407

Notes:

The Program Administrators are working with DEP to determine the best method for properly and precisely capturing the full impact of energy efficiency measures on GHG emissions. As part of this process, the Program Administrators have included this additional table on greenhouse gas reductions, based on continuing discussions with the DEP. These reductions are calculated using factors proposed by DEP, which are based on adjusted gross annual electric energy, natural gas, and oil savings. The Program Administrators look forward to discussing these proposed factors with DEP and are committed to ensuring that the full impact of energy efficiency measures on GHG emissions are captured.

VII. Appendix
B.2. Master EE Activities
 Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-4, Data Tables
 H.O.s Leupold and Hale

Sector	Benefits (2016\$)						TRC Costs (2016\$)			Cost-Effectiveness	
	Capacity	Electric Energy	Natural Gas	Deliverable Fuels & Other	Non-Energy Impacts	Total Benefits	PA Budget	Participant Costs	Total TRC Test Costs	B/C Ratio	Net Benefits
2016	27,603,616	41,243,650	1,170,461	20,787,365	15,835,048	114,734,315	38,400,119	9,885,660	48,285,780	2.38	66,448,535
A - Residential	10,888,034	17,185,472	4,605,069	15,578,508	7,830,833	59,028,748	21,682,579	4,870,527	26,553,107	2.22	32,475,642
B - Low-Income	876,027	1,303,676	-	5,725,527	1,448,498	9,582,085	4,045,512	-	4,045,512	2.37	5,536,573
C - Commercial & Industrial	15,839,555	22,754,503	(3,434,608)	(516,670)	6,555,717	46,123,483	12,672,028	5,015,133	17,687,161	2.61	28,436,321
2017	28,586,792	40,638,645	2,999,370	24,821,618	17,321,163	118,923,828	40,956,706	8,928,865	49,885,571	2.38	69,038,257
A - Residential	11,376,110	16,670,244	4,996,499	17,854,138	8,045,733	60,510,313	22,036,884	4,685,912	26,722,796	2.26	33,787,517
B - Low-Income	981,482	1,442,332	-	6,679,904	1,623,073	10,870,025	4,353,426	-	4,353,426	2.50	6,516,599
C - Commercial & Industrial	16,229,200	22,526,069	(1,997,128)	287,577	7,652,358	47,543,490	14,566,395	4,242,953	18,809,348	2.53	28,734,141
2018	29,997,414	42,626,735	3,696,509	28,773,109	18,832,207	126,061,425	43,816,983	8,829,355	52,646,338	2.39	73,415,087
A - Residential	11,410,152	16,635,601	5,339,945	19,883,063	8,340,276	62,316,503	22,552,257	4,600,397	27,152,654	2.30	35,163,848
B - Low-Income	1,119,854	1,663,566	-	6,940,703	1,784,130	11,585,926	4,724,922	-	4,724,922	2.45	6,861,004
C - Commercial & Industrial	17,467,407	24,327,568	(1,643,436)	1,949,342	8,707,802	52,158,997	16,539,804	4,228,958	20,768,762	2.51	31,390,235
Grand Total	86,187,822	124,509,031	7,866,340	74,382,091	51,988,419	359,719,568	123,173,808	27,643,881	150,817,688	2.39	208,901,880
A - Residential	33,674,296	50,491,316	14,941,513	53,315,709	24,216,841	181,855,564	66,271,720.46	14,156,836	80,428,557	2.26	101,427,007
B - Low-Income	2,977,364	4,409,574	-	19,346,134	4,855,701	32,038,036	13,123,860.12	-	13,123,860	2.44	18,914,176
C - Commercial & Industrial	49,536,162	69,608,140	(7,075,173)	1,720,249	22,915,877	145,825,969	43,778,226.93	13,487,045	57,265,271	2.55	88,560,697

Notes:
 GHG reductions are provided for information purposes only. They are not included in the TRC test.
 The budgets in the above tables do not include costs associated with the Cape Light Compact's Demand Response Demonstration Offering.

VII. Appendix

B.2. Master EE Activities

Cape Light Compact

October 30, 2015

D.P.U. 15-166
Exh. Compact-4, Data Tables
H.O.s Leupold and Hale

Sector	Annual Net Savings						Avg Measure Life (yrs.)	Summer Capacity Cost (TRC\$/Annual kW)	Electric Energy Cost (TRC\$/Annual MWh)	Gas Costs (TRC\$/Annual Therm)	Participants	Annual Emissions Reductions (Short Tons)		
	Summer Capacity (kW)	Electric Energy (MWh)	Gas (Therms)	Oil (MMBTu)	Propane (MMBTu)	Water (Gallons)						NOX	SO2	CO2
2016	9,383	58,474	(84,244)	28,708	6,155	3,531,402	9	5,146	826	(573)	94,623	10.9	9.7	23,222
A - Residential	2,909	21,164	175,910	28,611	3,619	3,235,197	10	9,128	1,255	151	91,578	4.8	4.3	11,867
B - Low-Income	245	1,646	-	11,487	848	-	10	16,526	2,457	-	800	0.3	0.3	1,573
C - Commercial & Industrial	6,229	35,664	(260,154)	(11,390)	1,688	296,204	9	2,840	496	(68)	2,245	5.8	5.1	9,782
2017	9,205	56,511	29,410	41,598	8,621	4,402,315	9	5,419	883	1,696	86,475	10.8	9.6	24,565
A - Residential	2,746	18,989	215,703	34,272	4,744	4,137,458	11	9,731	1,407	124	83,043	4.3	3.9	11,631
B - Low-Income	259	1,758	-	13,117	927	-	10	16,836	2,477	-	960	0.3	0.3	1,748
C - Commercial & Industrial	6,200	35,764	(186,293)	(5,790)	2,951	264,857	8	3,034	526	(101)	2,472	6.1	5.4	11,186
2018	9,290	57,012	80,681	56,097	12,256	5,333,929	9	5,667	923	653	81,216	11.1	9.9	26,620
A - Residential	2,556	17,284	242,282	38,638	5,886	5,059,487	11	10,621	1,571	112	77,345	4.0	3.6	11,420
B - Low-Income	282	1,936	-	13,398	1,137	-	11	16,728	2,441	-	1,120	0.4	0.3	1,841
C - Commercial & Industrial	6,451	37,792	(161,601)	4,061	5,232	274,442	9	3,219	550	(129)	2,751	6.8	6.0	13,359
Grand Total	27,878	171,996	25,846	126,403	27,032	13,267,646	9	5,410	877	5,835	262,315	32.8	29.2	74,407
A - Residential	8,212	57,436	633,895	101,521	14,248	12,432,142	11	9,795	1,400	127	251,967	13.1	11.7	34,917
B - Low-Income	786	5,340	-	38,001	2,913	-	10	16,700	2,458	-	2,880	1.0	0.9	5,162
C - Commercial & Industrial	18,880	109,220	(608,049)	(13,119)	9,871	835,504	9	3,033	524	(94)	7,468	18.7	16.6	34,327

Year	Initiative	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs	Total Program Costs (2016\$)	Performance Incentive	Performance Incentive (2016\$)	Participant Costs	Participant Costs (2016\$)
2016	A1a - Residential New Construction	\$ 23,870	\$ 7,255	\$ 321,481	\$ 83,053	\$ 16,522	\$ 452,182	\$ 452,182	\$ -	\$ -	\$ 248,594	\$ 248,594
2016	A1b - Residential Multi-Family Retrofit	\$ 39,623	\$ 24,366	\$ 427,406	\$ 231,773	\$ 27,425	\$ 750,593	\$ 750,593	\$ -	\$ -	\$ 9,978	\$ 9,978
2016	A1c - Residential Home Energy Services - Measures	\$ 679,132	\$ 100,331	\$ 9,645,146	\$ 1,870,262	\$ 505,444	\$ 12,800,315	\$ 12,800,315	\$ -	\$ -	\$ 2,916,358	\$ 2,916,358
2016	A1d - Residential Home Energy Services - RCS	\$ 88,968	\$ 37,503	\$ -	\$ 1,497,286	\$ 61,578	\$ 1,685,335	\$ 1,685,335	\$ -	\$ -	\$ -	\$ -
2016	A1e - Residential Behavior/Feedback Program	\$ 11,681	\$ 16,287	\$ 164,531	\$ 120,695	\$ 11,282	\$ 324,476	\$ 324,476	\$ -	\$ -	\$ -	\$ -
2016	A2a - Residential Heating & Cooling Equipment	\$ 91,779	\$ 28,613	\$ 1,364,500	\$ 190,167	\$ 63,524	\$ 1,738,582	\$ 1,738,582	\$ -	\$ -	\$ 829,649	\$ 829,649
2016	A2b - Residential Consumer Products	\$ 20,012	\$ 25,955	\$ 158,788	\$ 160,490	\$ 13,851	\$ 379,097	\$ 379,097	\$ -	\$ -	\$ 107,010	\$ 107,010
2016	A2c - Residential Lighting	\$ 112,516	\$ 86,898	\$ 1,622,322	\$ 231,803	\$ 77,877	\$ 2,131,416	\$ 2,131,416	\$ -	\$ -	\$ 758,939	\$ 758,939
2016	A3a - Residential Statewide Marketing	\$ -	\$ 112,971	\$ -	\$ -	\$ -	\$ 112,971	\$ 112,971	\$ -	\$ -	\$ -	\$ -
2016	A3b - Residential Statewide Database	\$ 13,366	\$ -	\$ -	\$ -	\$ -	\$ 13,366	\$ 13,366	\$ -	\$ -	\$ -	\$ -
2016	A3c - Residential DOER Assessment	\$ 146,324	\$ -	\$ -	\$ -	\$ -	\$ 146,324	\$ 146,324	\$ -	\$ -	\$ -	\$ -
2016	A3d - Residential EEAC Consultants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016	A3e - Residential Sponsorships & Subscriptions	\$ 2,366	\$ -	\$ -	\$ -	\$ -	\$ 2,366	\$ 2,366	\$ -	\$ -	\$ -	\$ -
2016	A3f - Residential HEAT Loan	\$ 55,748	\$ 12,143	\$ 850,000	\$ 99,567	\$ -	\$ 1,017,457	\$ 1,017,457	\$ -	\$ -	\$ -	\$ -
2016	A3g - Residential Workforce Development	\$ -	\$ -	\$ -	\$ 19,600	\$ -	\$ 19,600	\$ 19,600	\$ -	\$ -	\$ -	\$ -
2016	A3h - Residential R&D and Demonstration	\$ -	\$ 3,500	\$ 22,500	\$ 57,500	\$ -	\$ 83,500	\$ 83,500	\$ -	\$ -	\$ -	\$ -
2016	A3i - Residential Education	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -
2016	B1a - Low-Income Single Family Retrofit	\$ 137,445	\$ 24,288	\$ 1,933,450	\$ 535,995	\$ 107,521	\$ 2,738,699	\$ 2,738,699	\$ -	\$ -	\$ -	\$ -
2016	B1b - Low-Income Multi-Family Retrofit	\$ 60,757	\$ 7,200	\$ 912,420	\$ 182,723	\$ 47,529	\$ 1,210,629	\$ 1,210,629	\$ -	\$ -	\$ -	\$ -
2016	B2a - Low-Income Statewide Marketing	\$ -	\$ 22,860	\$ -	\$ -	\$ -	\$ 22,860	\$ 22,860	\$ -	\$ -	\$ -	\$ -
2016	B2b - Low-Income Statewide Database	\$ 2,705	\$ -	\$ -	\$ -	\$ -	\$ 2,705	\$ 2,705	\$ -	\$ -	\$ -	\$ -
2016	B2c - Low-Income DOER Assessment	\$ 29,609	\$ -	\$ -	\$ -	\$ -	\$ 29,609	\$ 29,609	\$ -	\$ -	\$ -	\$ -
2016	B2d - Low-Income Energy Affordability Network	\$ 36,010	\$ -	\$ -	\$ -	\$ -	\$ 36,010	\$ 36,010	\$ -	\$ -	\$ -	\$ -
2016	B2e - Low-Income Sponsorships & Subscriptions	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -
2016	C1a - C&I New Buildings & Major Renovations	\$ 60,042	\$ 6,157	\$ 723,800	\$ 241,832	\$ 43,098	\$ 1,074,929	\$ 1,074,929	\$ -	\$ -	\$ (145,321)	\$ (145,321)
2016	C1b - C&I Initial Purchase & End of Useful Life	\$ 16,364	\$ 3,678	\$ 217,980	\$ 43,202	\$ 11,746	\$ 292,971	\$ 292,971	\$ -	\$ -	\$ 1,233,822	\$ 1,233,822
2016	C2a - C&I Existing Building Retrofit	\$ 180,834	\$ 53,544	\$ 2,504,305	\$ 368,987	\$ 129,803	\$ 3,237,474	\$ 3,237,474	\$ -	\$ -	\$ 338,965	\$ 338,965
2016	C2b - C&I Small Business	\$ 306,694	\$ 61,451	\$ 4,221,754	\$ 680,702	\$ 220,145	\$ 5,490,747	\$ 5,490,747	\$ -	\$ -	\$ 1,079,372	\$ 1,079,372
2016	C2c - C&I Multifamily Retrofit	\$ 42,283	\$ 24,336	\$ 427,406	\$ 232,618	\$ 30,351	\$ 756,995	\$ 756,995	\$ -	\$ -	\$ 10,922	\$ 10,922
2016	C2d - C&I Upstream Lighting	\$ 83,445	\$ 8,557	\$ 1,206,000	\$ 136,020	\$ 59,897	\$ 1,493,919	\$ 1,493,919	\$ -	\$ -	\$ 2,497,374	\$ 2,497,374
2016	C3a - C&I Statewide Marketing	\$ -	\$ 74,169	\$ -	\$ -	\$ -	\$ 74,169	\$ 74,169	\$ -	\$ -	\$ -	\$ -
2016	C3b - C&I Statewide Database	\$ 8,775	\$ -	\$ -	\$ -	\$ -	\$ 8,775	\$ 8,775	\$ -	\$ -	\$ -	\$ -
2016	C3c - C&I DOER Assessment	\$ 96,067	\$ -	\$ -	\$ -	\$ -	\$ 96,067	\$ 96,067	\$ -	\$ -	\$ -	\$ -
2016	C3d - C&I EEAC Consultants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016	C3e - C&I Sponsorships & Subscriptions	\$ 15,983	\$ -	\$ -	\$ -	\$ -	\$ 15,983	\$ 15,983	\$ -	\$ -	\$ -	\$ -
2016	C3f - C&I Workforce Development	\$ -	\$ 20,000	\$ -	\$ 60,000	\$ -	\$ 80,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -
2016	C3g - C&I R&D and Demonstration	\$ -	\$ -	\$ 40,000	\$ 10,000	\$ -	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -
2017	A1a - Residential New Construction	\$ 20,652	\$ 7,093	\$ 311,251	\$ 95,170	\$ 15,745	\$ 449,911	\$ 449,911	\$ -	\$ -	\$ 237,667	\$ 231,779
2017	A1b - Residential Multi-Family Retrofit	\$ 34,542	\$ 19,129	\$ 399,808	\$ 272,690	\$ 26,334	\$ 752,503	\$ 733,863	\$ -	\$ -	\$ 17,344	\$ 16,915
2017	A1c - Residential Home Energy Services - Measures	\$ 628,268	\$ 101,366	\$ 10,420,221	\$ 1,957,940	\$ 514,162	\$ 13,621,958	\$ 13,284,531	\$ -	\$ -	\$ 3,089,546	\$ 3,013,016
2017	A1d - Residential Home Energy Services - RCS	\$ 80,274	\$ 38,179	\$ -	\$ 1,569,116	\$ 61,198	\$ 1,748,768	\$ 1,705,449	\$ -	\$ -	\$ -	\$ -
2017	A1e - Residential Behavior/Feedback Program	\$ 10,263	\$ 16,227	\$ 168,614	\$ 120,644	\$ 10,860	\$ 326,608	\$ 318,518	\$ -	\$ -	\$ -	\$ -
2017	A2a - Residential Heating & Cooling Equipment	\$ 88,480	\$ 29,575	\$ 1,535,440	\$ 206,573	\$ 67,454	\$ 1,927,522	\$ 1,879,776	\$ -	\$ -	\$ 836,149	\$ 815,437
2017	A2b - Residential Consumer Products	\$ 17,775	\$ 34,875	\$ 159,788	\$ 161,247	\$ 13,551	\$ 387,236	\$ 377,644	\$ -	\$ -	\$ 110,010	\$ 107,284
2017	A2c - Residential Lighting	\$ 87,198	\$ 83,922	\$ 1,435,476	\$ 226,520	\$ 66,476	\$ 1,895,592	\$ 1,852,537	\$ -	\$ -	\$ 514,218	\$ 501,481
2017	A3a - Residential Statewide Marketing	\$ -	\$ 112,971	\$ -	\$ -	\$ -	\$ 112,971	\$ 110,173	\$ -	\$ -	\$ -	\$ -
2017	A3b - Residential Statewide Database	\$ 13,366	\$ -	\$ -	\$ -	\$ -	\$ 13,366	\$ 13,035	\$ -	\$ -	\$ -	\$ -
2017	A3c - Residential DOER Assessment	\$ 146,324	\$ -	\$ -	\$ -	\$ -	\$ 146,324	\$ 142,700	\$ -	\$ -	\$ -	\$ -
2017	A3d - Residential EEAC Consultants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017	A3e - Residential Sponsorships & Subscriptions	\$ 2,603	\$ -	\$ -	\$ -	\$ -	\$ 2,603	\$ 2,538	\$ -	\$ -	\$ -	\$ -
2017	A3f - Residential HEAT Loan	\$ 50,144	\$ 7,993	\$ 892,500	\$ 103,522	\$ -	\$ 1,054,159	\$ 1,028,047	\$ -	\$ -	\$ -	\$ -
2017	A3g - Residential Workforce Development	\$ -	\$ -	\$ -	\$ 19,600	\$ -	\$ 19,600	\$ 19,114	\$ -	\$ -	\$ -	\$ -
2017	A3h - Residential R&D and Demonstration	\$ -	\$ 6,500	\$ 32,500	\$ 69,500	\$ -	\$ 108,500	\$ 105,812	\$ -	\$ -	\$ -	\$ -
2017	A3i - Residential Education	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ 25,000	\$ 24,381	\$ -	\$ -	\$ -	\$ -
2017	B1a - Low-Income Single Family Retrofit	\$ 127,996	\$ 24,654	\$ 2,119,850	\$ 584,311	\$ 106,518	\$ 2,963,329	\$ 2,889,925	\$ -	\$ -	\$ -	\$ -
2017	B1b - Low-Income Multi-Family Retrofit	\$ 60,483	\$ 7,870	\$ 1,082,060	\$ 199,543	\$ 50,334	\$ 1,400,290	\$ 1,365,603	\$ -	\$ -	\$ -	\$ -
2017	B2a - Low-Income Statewide Marketing	\$ -	\$ 22,860	\$ -	\$ -	\$ -	\$ 22,860	\$ 22,294	\$ -	\$ -	\$ -	\$ -
2017	B2b - Low-Income Statewide Database	\$ 2,705	\$ -	\$ -	\$ -	\$ -	\$ 2,705	\$ 2,638	\$ -	\$ -	\$ -	\$ -
2017	B2c - Low-Income DOER Assessment	\$ 29,609	\$ -	\$ -	\$ -	\$ -	\$ 29,609	\$ 28,876	\$ -	\$ -	\$ -	\$ -
2017	B2d - Low-Income Energy Affordability Network	\$ 40,211	\$ -	\$ -	\$ -	\$ -	\$ 40,211	\$ 39,215	\$ -	\$ -	\$ -	\$ -
2017	B2e - Low-Income Sponsorships & Subscriptions	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ 4,876	\$ -	\$ -	\$ -	\$ -
2017	C1a - C&I New Buildings & Major Renovations	\$ 51,091	\$ 5,758	\$ 725,550	\$ 236,996	\$ 36,759	\$ 1,056,154	\$ 1,029,993	\$ -	\$ -	\$ (145,623)	\$ (142,016)
2017	C1b - C&I Initial Purchase & End of Useful Life	\$ 10,894	\$ 3,228	\$ 163,290	\$ 39,950	\$ 7,838	\$ 225,200	\$ 219,622	\$ -	\$ -	\$ 432,648	\$ 421,931
2017	C2a - C&I Existing Building Retrofit	\$ 179,025	\$ 45,175	\$ 2,936,305	\$ 411,468	\$ 128,804	\$ 3,700,777	\$ 3,609,106	\$ -	\$ -	\$ 491,238	\$ 479,070
2017	C2b - C&I Small Business	\$ 359,346	\$ 60,496	\$ 5,896,199	\$ 853,762	\$ 258,541	\$ 7,428,344	\$ 7,244,338	\$ -	\$ -	\$ 1,314,719	\$ 1,282,152
2017	C2c - C&I Multifamily Retrofit	\$ 36,388	\$ 19,101	\$ 399,808	\$ 270,724	\$ 26,180	\$ 752,201	\$ 733,568	\$ -	\$ -	\$ 17,029	\$ 16,607
2017	C2d - C&I Upstream Lighting	\$ 70,972	\$ 7,998	\$ 1,206,000	\$ 131,081	\$ 51,062	\$ 1,467,113	\$ 1,430,771	\$ -	\$ -	\$ 2,240,713	\$ 2,185,209
2017	C3a - C&I Statewide Marketing	\$ -	\$ 74,169	\$ -	\$ -	\$ -	\$ 74,169	\$ 72,332	\$ -	\$ -	\$ -	\$ -
2017	C3b - C&I Statewide Database	\$ 8,775	\$ -	\$ -	\$ -	\$ -	\$ 8,775	\$ 8,558	\$ -	\$ -	\$ -	\$ -
2017	C3c - C&I DOER Assessment	\$ 96,067	\$ -	\$ -	\$ -	\$ -	\$ 96,067	\$ 93,687	\$ -	\$ -	\$ -	\$ -

Year	Initiative	Total Energy Benefits	Summer Capacity Benefits	Transmission Capacity Benefits	Distribution Capacity Benefits	DRIPE Capacity Benefits	Total Capacity Benefits	Natural Gas Benefits
2016	A1a - Residential New Construction	\$ 1,156,958	303,808.07	71,786.37	240,414.58	-	\$ 616,009	12,400.00
2016	A1b - Residential Multi-Family Retrofit	\$ 551,741	20,906.62	5,607.73	18,780.45	-	\$ 45,295	1,744.87
2016	A1c - Residential Home Energy Services - Measures	\$ 6,910,964	2,618,255.21	654,369.34	2,191,501.37	-	\$ 5,464,126	5,154,895.53
2016	A1d - Residential Home Energy Services - RCS	\$ -	-	-	-	-	\$ -	-
2016	A1e - Residential Behavior/Feedback Program	\$ 109,973	27,341.29	7,595.54	25,437.67	-	\$ 60,374	54,520.23
2016	A2a - Residential Heating & Cooling Equipment	\$ 1,717,226	347,471.17	86,968.77	291,260.88	-	\$ 725,701	(61,802.92)
2016	A2b - Residential Consumer Products	\$ 603,689	184,458.29	51,012.97	170,843.86	-	\$ 406,315	1,236.61
2016	A2c - Residential Lighting	\$ 9,075,754	1,632,061.98	445,651.68	1,492,500.04	-	\$ 3,570,214	(883,284.89)
2016	A3a - Residential Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2016	A3b - Residential Statewide Database	\$ -	-	-	-	-	\$ -	-
2016	A3c - Residential DOER Assessment	\$ -	-	-	-	-	\$ -	-
2016	A3d - Residential EEAC Consultants	\$ -	-	-	-	-	\$ -	-
2016	A3e - Residential Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2016	A3f - Residential HEAT Loan	\$ -	-	-	-	-	\$ -	-
2016	A3g - Residential Workforce Development	\$ -	-	-	-	-	\$ -	-
2016	A3h - Residential R&D and Demonstration	\$ -	-	-	-	-	\$ -	-
2016	A3i - Residential Education	\$ -	-	-	-	-	\$ -	-
2016	B1a - Low-Income Single Family Retrofit	\$ 1,123,632	367,419.33	95,325.79	319,248.77	-	\$ 781,994	-
2016	B1b - Low-Income Multi-Family Retrofit	\$ 408,401	42,734.44	11,795.42	39,503.18	-	\$ 94,033	-
2016	B2a - Low-Income Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2016	B2b - Low-Income Statewide Database	\$ -	-	-	-	-	\$ -	-
2016	B2c - Low-Income DOER Assessment	\$ -	-	-	-	-	\$ -	-
2016	B2d - Low-Income Energy Affordability Network	\$ -	-	-	-	-	\$ -	-
2016	B2e - Low-Income Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2016	C1a - C&I New Buildings & Major Renovations	\$ 576,151	210,595.31	52,493.63	175,802.66	-	\$ 438,892	(28,605.15)
2016	C1b - C&I Initial Purchase & End of Useful Life	\$ 5,524,294	1,481,157.95	351,903.37	1,178,534.30	-	\$ 3,011,596	(2,452,628.66)
2016	C2a - C&I Existing Building Retrofit	\$ 3,911,902	1,370,258.91	350,152.49	1,172,670.56	-	\$ 2,893,082	7,382.15
2016	C2b - C&I Small Business	\$ 7,046,318	1,875,507.70	490,853.80	1,643,883.22	-	\$ 4,010,245	(260,190.21)
2016	C2c - C&I Multifamily Retrofit	\$ 526,690	25,094.16	6,476.09	21,688.60	-	\$ 53,259	1,921.55
2016	C2d - C&I Upstream Lighting	\$ 10,094,132	2,195,686.74	744,257.21	2,492,538.38	-	\$ 5,432,482	(284,701.38)
2016	C3a - C&I Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2016	C3b - C&I Statewide Database	\$ -	-	-	-	-	\$ -	-
2016	C3c - C&I DOER Assessment	\$ -	-	-	-	-	\$ -	-
2016	C3d - C&I EEAC Consultants	\$ -	-	-	-	-	\$ -	-
2016	C3e - C&I Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2016	C3f - C&I Workforce Development	\$ -	-	-	-	-	\$ -	-
2016	C3g - C&I R&D and Demonstration	\$ -	-	-	-	-	\$ -	-
2017	A1a - Residential New Construction	\$ 1,072,038	312,329.95	70,916.50	237,501.36	-	\$ 620,748	12,026.12
2017	A1b - Residential Multi-Family Retrofit	\$ 472,991	26,614.75	6,499.82	21,768.08	-	\$ 54,883	1,787.13
2017	A1c - Residential Home Energy Services - Measures	\$ 6,905,534	3,074,508.72	724,668.61	2,426,935.61	-	\$ 6,226,113	5,505,575.35
2017	A1d - Residential Home Energy Services - RCS	\$ -	-	-	-	-	\$ -	-
2017	A1e - Residential Behavior/Feedback Program	\$ 100,784	29,199.94	7,373.25	24,693.21	-	\$ 61,266	55,717.70
2017	A2a - Residential Heating & Cooling Equipment	\$ 1,805,371	393,038.73	92,773.98	310,702.69	-	\$ 796,515	(62,996.64)
2017	A2b - Residential Consumer Products	\$ 573,734	204,280.73	51,628.40	172,904.95	-	\$ 428,814	1,266.75
2017	A2c - Residential Lighting	\$ 7,307,382	1,537,249.38	379,514.92	1,271,006.16	-	\$ 3,187,770	(772,757.83)
2017	A3a - Residential Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2017	A3b - Residential Statewide Database	\$ -	-	-	-	-	\$ -	-
2017	A3c - Residential DOER Assessment	\$ -	-	-	-	-	\$ -	-
2017	A3d - Residential EEAC Consultants	\$ -	-	-	-	-	\$ -	-
2017	A3e - Residential Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2017	A3f - Residential HEAT Loan	\$ -	-	-	-	-	\$ -	-
2017	A3g - Residential Workforce Development	\$ -	-	-	-	-	\$ -	-
2017	A3h - Residential R&D and Demonstration	\$ -	-	-	-	-	\$ -	-
2017	A3i - Residential Education	\$ -	-	-	-	-	\$ -	-
2017	B1a - Low-Income Single Family Retrofit	\$ 1,147,554	425,767.54	102,691.58	343,917.00	-	\$ 872,376	-
2017	B1b - Low-Income Multi-Family Retrofit	\$ 438,012	51,978.99	13,135.66	43,991.70	-	\$ 109,106	-
2017	B2a - Low-Income Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2017	B2b - Low-Income Statewide Database	\$ -	-	-	-	-	\$ -	-
2017	B2c - Low-Income DOER Assessment	\$ -	-	-	-	-	\$ -	-
2017	B2d - Low-Income Energy Affordability Network	\$ -	-	-	-	-	\$ -	-
2017	B2e - Low-Income Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2017	C1a - C&I New Buildings & Major Renovations	\$ 792,277	224,073.31	52,735.78	176,613.61	-	\$ 453,423	(25,878.82)
2017	C1b - C&I Initial Purchase & End of Useful Life	\$ 2,165,791	625,744.78	143,205.54	479,599.39	-	\$ 1,248,550	(1,144,443.83)
2017	C2a - C&I Existing Building Retrofit	\$ 5,438,607	1,666,551.54	398,418.45	1,334,314.63	-	\$ 3,399,285	41,074.46
2017	C2b - C&I Small Business	\$ 8,375,560	2,718,628.82	664,572.27	2,225,671.28	-	\$ 5,608,872	(417,006.27)
2017	C2c - C&I Multifamily Retrofit	\$ 458,083	30,266.38	7,235.96	24,233.43	-	\$ 61,736	1,973.10
2017	C2d - C&I Upstream Lighting	\$ 8,141,166	2,446,422.18	692,318.51	2,318,594.20	-	\$ 5,457,335	(273,599.10)
2017	C3a - C&I Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2017	C3b - C&I Statewide Database	\$ -	-	-	-	-	\$ -	-
2017	C3c - C&I DOER Assessment	\$ -	-	-	-	-	\$ -	-

Year	Initiative	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs	Total Program Costs (2016\$)	Performance Incentive	Performance Incentive (2016\$)	Participant Costs	Participant Costs (2016\$)
2017	C3d - C&I EEAC Consultants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2017	C3e - C&I Sponsorships & Subscriptions	\$ 17,581	\$ -	\$ -	\$ -	\$ -	\$ 17,581	\$ 17,146	\$ -	\$ -	\$ -	\$ -
2017	C3f - C&I Workforce Development	\$ -	\$ 5,000	\$ -	\$ 20,000	\$ -	\$ 25,000	\$ 24,381	\$ -	\$ -	\$ -	\$ -
2017	C3g - C&I R&D and Demonstration	\$ -	\$ -	\$ 70,000	\$ 15,000	\$ -	\$ 85,000	\$ 82,894	\$ -	\$ -	\$ -	\$ -

Year	Initiative	Total Energy Benefits	Summer Capacity Benefits	Transmission Capacity Benefits	Distribution Capacity Benefits	DRIPE Capacity Benefits	Total Capacity Benefits	Natural Gas Benefits
2017	C3d - C&I EEAC Consultants	\$ -	-	-	-	-	\$ -	-
2017	C3e - C&I Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2017	C3f - C&I Workforce Development	\$ -	-	-	-	-	\$ -	-
2017	C3g - C&I R&D and Demonstration	\$ -	-	-	-	-	\$ -	-

Year	Initiative	Natural Gas DRIPE Benefits	Total Gas Benefits	Oil Benefits	Propane Benefits	Water Benefits	Total Other Resource Benefits	Total Resource Benefits	Total Non Energy Impacts	Total Benefits
2017	C3d - C&I EEAC Consultants	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2017	C3e - C&I Sponsorships & Subscriptions	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2017	C3f - C&I Workforce Development	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2017	C3g - C&I R&D and Demonstration	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -

Year	Initiative	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs	Total Program Costs (2016\$)	Performance Incentive	Performance Incentive (2016\$)	Participant Costs	Participant Costs (2016\$)
2018	A1a - Residential New Construction	\$ 21,602	\$ 7,658	\$ 343,630	\$ 96,367	\$ 16,109	\$ 485,365	\$ 461,617	\$ -	\$ -	\$ 245,862	\$ 233,832
2018	A1b - Residential Multi-Family Retrofit	\$ 36,533	\$ 15,130	\$ 418,353	\$ 323,601	\$ 27,243	\$ 820,861	\$ 780,698	\$ -	\$ -	\$ 21,802	\$ 20,736
2018	A1c - Residential Home Energy Services - Measures	\$ 647,022	\$ 117,943	\$ 11,141,009	\$ 2,049,465	\$ 517,546	\$ 14,472,984	\$ 13,764,849	\$ -	\$ -	\$ 3,266,580	\$ 3,106,752
2018	A1d - Residential Home Energy Services - RCS	\$ 81,342	\$ 40,936	\$ -	\$ 1,644,743	\$ 60,658	\$ 1,827,679	\$ 1,738,255	\$ -	\$ -	\$ -	\$ -
2018	A1e - Residential Behavior/Feedback Program	\$ 10,121	\$ 16,421	\$ 172,698	\$ 120,620	\$ 10,430	\$ 330,289	\$ 314,129	\$ -	\$ -	\$ -	\$ -
2018	A2a - Residential Heating & Cooling Equipment	\$ 95,198	\$ 32,868	\$ 1,712,940	\$ 226,998	\$ 70,990	\$ 2,138,993	\$ 2,034,336	\$ -	\$ -	\$ 843,617	\$ 802,340
2018	A2b - Residential Consumer Products	\$ 15,611	\$ 25,942	\$ 152,288	\$ 145,283	\$ 11,641	\$ 350,766	\$ 333,603	\$ -	\$ -	\$ 96,910	\$ 92,168
2018	A2c - Residential Lighting	\$ 77,343	\$ 84,360	\$ 1,295,149	\$ 223,298	\$ 57,676	\$ 1,737,826	\$ 1,652,798	\$ -	\$ -	\$ 362,295	\$ 344,568
2018	A3a - Residential Statewide Marketing	\$ -	\$ 112,971	\$ -	\$ -	\$ -	\$ 112,971	\$ 107,444	\$ -	\$ -	\$ -	\$ -
2018	A3b - Residential Statewide Database	\$ 13,366	\$ -	\$ -	\$ -	\$ -	\$ 13,366	\$ 12,712	\$ -	\$ -	\$ -	\$ -
2018	A3c - Residential DOER Assessment	\$ 146,324	\$ -	\$ -	\$ -	\$ -	\$ 146,324	\$ 139,165	\$ -	\$ -	\$ -	\$ -
2018	A3d - Residential EEAC Consultants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2018	A3e - Residential Sponsorships & Subscriptions	\$ 2,863	\$ -	\$ -	\$ -	\$ -	\$ 2,863	\$ 2,723	\$ -	\$ -	\$ -	\$ -
2018	A3f - Residential HEAT Loan	\$ 50,870	\$ 9,143	\$ 937,125	\$ 107,935	\$ -	\$ 1,051,073	\$ 1,051,004	\$ -	\$ -	\$ -	\$ -
2018	A3g - Residential Workforce Development	\$ -	\$ -	\$ -	\$ 19,600	\$ -	\$ 19,600	\$ 18,641	\$ -	\$ -	\$ -	\$ -
2018	A3h - Residential R&D and Demonstration	\$ -	\$ 12,500	\$ 35,000	\$ 75,000	\$ -	\$ 122,500	\$ 116,506	\$ -	\$ -	\$ -	\$ -
2018	A3i - Residential Education	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ 25,000	\$ 23,777	\$ -	\$ -	\$ -	\$ -
2018	B1a - Low-Income Single Family Retrofit	\$ 141,133	\$ 29,641	\$ 2,424,950	\$ 669,827	\$ 109,945	\$ 3,375,495	\$ 3,210,339	\$ -	\$ -	\$ -	\$ -
2018	B1b - Low-Income Multi-Family Retrofit	\$ 62,188	\$ 9,536	\$ 1,139,700	\$ 227,499	\$ 48,446	\$ 1,487,369	\$ 1,414,595	\$ -	\$ -	\$ -	\$ -
2018	B2a - Low-Income Statewide Marketing	\$ -	\$ 22,860	\$ -	\$ -	\$ -	\$ 22,860	\$ 21,741	\$ -	\$ -	\$ -	\$ -
2018	B2b - Low-Income Statewide Database	\$ 2,705	\$ -	\$ -	\$ -	\$ -	\$ 2,705	\$ 2,572	\$ -	\$ -	\$ -	\$ -
2018	B2c - Low-Income DOER Assessment	\$ 29,609	\$ -	\$ -	\$ -	\$ -	\$ 29,609	\$ 28,160	\$ -	\$ -	\$ -	\$ -
2018	B2d - Low-Income Energy Affordability Network	\$ 44,958	\$ -	\$ -	\$ -	\$ -	\$ 44,958	\$ 42,759	\$ -	\$ -	\$ -	\$ -
2018	B2e - Low-Income Sponsorships & Subscriptions	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ 4,755	\$ -	\$ -	\$ -	\$ -
2018	C1a - C&I New Buildings & Major Renovations	\$ 48,618	\$ 6,543	\$ 725,550	\$ 234,349	\$ 31,911	\$ 1,046,972	\$ 995,745	\$ -	\$ -	\$ (145,623)	\$ (138,498)
2018	C1b - C&I Initial Purchase & End of Useful Life	\$ 14,387	\$ 3,936	\$ 240,460	\$ 41,596	\$ 9,443	\$ 309,823	\$ 294,664	\$ -	\$ -	\$ 334,792	\$ 318,411
2018	C2a - C&I Existing Building Retrofit	\$ 180,627	\$ 49,307	\$ 3,127,055	\$ 414,175	\$ 118,558	\$ 3,889,721	\$ 3,699,405	\$ -	\$ -	\$ 579,160	\$ 550,823
2018	C2b - C&I Small Business	\$ 444,263	\$ 79,785	\$ 7,771,431	\$ 979,948	\$ 291,601	\$ 9,567,028	\$ 9,098,932	\$ -	\$ -	\$ 1,673,443	\$ 1,591,565
2018	C2c - C&I Multifamily Retrofit	\$ 37,886	\$ 15,098	\$ 418,353	\$ 319,648	\$ 24,867	\$ 815,852	\$ 775,934	\$ -	\$ -	\$ 20,693	\$ 19,680
2018	C2d - C&I Upstream Lighting	\$ 67,471	\$ 9,080	\$ 1,206,000	\$ 126,115	\$ 44,286	\$ 1,452,951	\$ 1,381,861	\$ -	\$ -	\$ 1,984,053	\$ 1,886,977
2018	C3a - C&I Statewide Marketing	\$ -	\$ 74,169	\$ -	\$ -	\$ -	\$ 74,169	\$ 70,540	\$ -	\$ -	\$ -	\$ -
2018	C3b - C&I Statewide Database	\$ 8,775	\$ -	\$ -	\$ -	\$ -	\$ 8,775	\$ 8,346	\$ -	\$ -	\$ -	\$ -
2018	C3c - C&I DOER Assessment	\$ 96,067	\$ -	\$ -	\$ -	\$ -	\$ 96,067	\$ 91,366	\$ -	\$ -	\$ -	\$ -
2018	C3d - C&I EEAC Consultants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2018	C3e - C&I Sponsorships & Subscriptions	\$ 19,339	\$ -	\$ -	\$ -	\$ -	\$ 19,339	\$ 18,393	\$ -	\$ -	\$ -	\$ -
2018	C3f - C&I Workforce Development	\$ -	\$ 5,000	\$ -	\$ 20,000	\$ -	\$ 25,000	\$ 23,777	\$ -	\$ -	\$ -	\$ -
2018	C3g - C&I R&D and Demonstration	\$ -	\$ -	\$ 70,000	\$ 15,000	\$ -	\$ 85,000	\$ 80,841	\$ -	\$ -	\$ -	\$ -

CHECKS												
2016 total		\$ 2,367,399	\$ 787,063	\$ 26,763,789	\$ 7,054,275	\$ 1,427,594	\$ 38,400,119	\$ 38,400,119	\$ -	\$ -	\$ 9,885,660	\$ 9,885,660
2017 total		\$ 2,276,033	\$ 759,138	\$ 29,954,660	\$ 7,565,358	\$ 1,441,817	\$ 41,997,006	\$ 40,956,706	\$ -	\$ -	\$ 9,155,658	\$ 8,928,865
2018 total		\$ 2,401,222	\$ 805,827	\$ 33,331,691	\$ 8,081,065	\$ 1,451,350	\$ 46,071,154	\$ 43,816,983	\$ -	\$ -	\$ 9,283,583	\$ 8,829,355

Year	Initiative	Benefit Burden (2016\$)	Benefit Burden (2016\$)	Total Resource Costs	Total Resource Costs (2016\$)	Participants	Net Winter Capacity (kW)	Net Summer Capacity (kW)	Net Annual Energy (MWh)	Adj Gross Annual Energy (MWh)	Net Lifetime Energy (MWh)	Adj Gross Lifetime Energy (MWh)	Net Annual Natural Gas (MMBTU)	Adj Gross Annual Natural Gas (MMBTU)	Net Annual Natural Gas (Therms)
2018	A1a - Residential New Construction	\$ -	\$ -	\$ 731,227	\$ 695,450	90	172.36	86.85	618.09	587.05	12,767.27	11,586.67	61.20	51.00	612.00
2018	A1b - Residential Multi-Family Retrofit	\$ -	\$ -	\$ 842,663	\$ 801,433	336	139.69	17.54	353.62	429.57	5,181.27	6,341.16	29.04	34.30	290.43
2018	A1c - Residential Home Energy Services - Measures	\$ -	\$ -	\$ 17,739,564	\$ 16,871,602	2,867	1,550.13	1,318.98	7,078.18	7,435.41	78,949.71	78,700.32	32,245.34	25,982.42	322,453.38
2018	A1d - Residential Home Energy Services - RCS	\$ -	\$ -	\$ 1,827,679	\$ 1,738,255	-	-	-	-	-	-	-	-	-	-
2018	A1e - Residential Behavior/Feedback Program	\$ -	\$ -	\$ 330,289	\$ 314,129	450	39.96	29.17	186.97	186.97	1,132.64	1,132.64	676.00	676.00	6,760.00
2018	A2a - Residential Heating & Cooling Equipment	\$ -	\$ -	\$ 2,982,610	\$ 2,836,677	4,905	461.77	178.34	1,511.03	1,824.81	22,036.30	27,634.44	(408.24)	(504.00)	(4,082.40)
2018	A2b - Residential Consumer Products	\$ -	\$ -	\$ 447,675	\$ 425,771	2,370	84.95	138.05	760.93	948.25	6,386.37	7,936.09	22.20	22.20	222.00
2018	A2c - Residential Lighting	\$ -	\$ -	\$ 2,100,120	\$ 1,997,366	66,327	1,012.46	787.47	6,775.07	9,238.21	71,095.20	98,263.94	(8,397.29)	(11,408.87)	(83,972.93)
2018	A3a - Residential Statewide Marketing	\$ -	\$ -	\$ 112,971	\$ 107,444	-	-	-	-	-	-	-	-	-	-
2018	A3b - Residential Statewide Database	\$ -	\$ -	\$ 13,366	\$ 12,712	-	-	-	-	-	-	-	-	-	-
2018	A3c - Residential DOER Assessment	\$ -	\$ -	\$ 146,324	\$ 139,165	-	-	-	-	-	-	-	-	-	-
2018	A3d - Residential EEAC Consultants	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-	-
2018	A3e - Residential Sponsorships & Subscriptions	\$ -	\$ -	\$ 2,863	\$ 2,723	-	-	-	-	-	-	-	-	-	-
2018	A3f - Residential HEAT Loan	\$ -	\$ -	\$ 1,105,073	\$ 1,051,004	-	-	-	-	-	-	-	-	-	-
2018	A3g - Residential Workforce Development	\$ -	\$ -	\$ 19,600	\$ 18,641	-	-	-	-	-	-	-	-	-	-
2018	A3h - Residential R&D and Demonstration	\$ -	\$ -	\$ 122,500	\$ 116,506	-	-	-	-	-	-	-	-	-	-
2018	A3i - Residential Education	\$ -	\$ -	\$ 25,000	\$ 23,777	-	-	-	-	-	-	-	-	-	-
2018	B1a - Low-Income Single Family Retrofit	\$ -	\$ -	\$ 3,375,495	\$ 3,210,339	720	291.03	240.69	1,449.65	1,449.65	15,250.72	15,250.72	-	-	-
2018	B1b - Low-Income Multi-Family Retrofit	\$ -	\$ -	\$ 1,487,369	\$ 1,414,595	400	142.24	41.77	485.86	485.86	5,349.64	5,349.64	-	-	-
2018	B2a - Low-Income Statewide Marketing	\$ -	\$ -	\$ 22,860	\$ 21,741	-	-	-	-	-	-	-	-	-	-
2018	B2b - Low-Income Statewide Database	\$ -	\$ -	\$ 2,705	\$ 2,572	-	-	-	-	-	-	-	-	-	-
2018	B2c - Low-Income DOER Assessment	\$ -	\$ -	\$ 29,609	\$ 28,160	-	-	-	-	-	-	-	-	-	-
2018	B2d - Low-Income Energy Affordability Network	\$ -	\$ -	\$ 44,958	\$ 42,759	-	-	-	-	-	-	-	-	-	-
2018	B2e - Low-Income Sponsorships & Subscriptions	\$ -	\$ -	\$ 5,000	\$ 4,755	-	-	-	-	-	-	-	-	-	-
2018	C1a - C&I New Buildings & Major Renovations	\$ -	\$ -	\$ 901,348	\$ 857,247	37	51.94	96.44	683.72	885.13	11,626.71	14,544.71	(278.10)	(386.00)	(2,780.98)
2018	C1b - C&I Initial Purchase & End of Useful Life	\$ -	\$ -	\$ 644,615	\$ 613,075	50	206.82	189.98	1,174.89	1,245.25	23,088.23	24,198.84	(5,657.65)	(5,714.80)	(56,576.52)
2018	C2a - C&I Existing Building Retrofit	\$ -	\$ -	\$ 4,468,881	\$ 4,250,227	163	701.60	851.86	5,927.19	6,235.24	72,964.84	76,855.13	340.29	392.51	3,402.88
2018	C2b - C&I Small Business	\$ -	\$ -	\$ 11,240,472	\$ 10,690,497	965	1,802.10	2,025.61	11,935.66	11,754.90	120,474.14	118,973.74	(3,862.02)	(3,700.25)	(38,620.17)
2018	C2c - C&I Multifamily Retrofit	\$ -	\$ -	\$ 836,545	\$ 795,614	336	138.53	16.34	353.50	429.02	5,190.05	6,347.40	29.99	34.30	299.88
2018	C2d - C&I Upstream Lighting	\$ -	\$ -	\$ 3,437,004	\$ 3,268,838	1,200	2,407.91	3,271.13	17,717.52	14,425.31	89,076.44	72,669.68	(6,732.66)	(5,481.62)	(67,326.57)
2018	C3a - C&I Statewide Marketing	\$ -	\$ -	\$ 74,169	\$ 70,540	-	-	-	-	-	-	-	-	-	-
2018	C3b - C&I Statewide Database	\$ -	\$ -	\$ 8,775	\$ 8,346	-	-	-	-	-	-	-	-	-	-
2018	C3c - C&I DOER Assessment	\$ -	\$ -	\$ 96,067	\$ 91,366	-	-	-	-	-	-	-	-	-	-
2018	C3d - C&I EEAC Consultants	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-	-	-	-	-	-
2018	C3e - C&I Sponsorships & Subscriptions	\$ -	\$ -	\$ 19,339	\$ 18,393	-	-	-	-	-	-	-	-	-	-
2018	C3f - C&I Workforce Development	\$ -	\$ -	\$ 25,000	\$ 23,777	-	-	-	-	-	-	-	-	-	-
2018	C3g - C&I R&D and Demonstration	\$ -	\$ -	\$ 85,000	\$ 80,841	-	-	-	-	-	-	-	-	-	-

CHECKS															
2016 total	\$ -	\$ -	\$ 48,285,780	\$ 48,285,780	\$ 94,623	\$ 9,531	\$ 9,383	\$ 58,474	\$ 56,292	\$ 535,955	\$ 531,651	\$ (8,424)	\$ (15,291)	\$ (84,244)	
2017 total	\$ -	\$ -	\$ 51,152,664	\$ 49,885,571	\$ 86,475	\$ 9,084	\$ 9,205	\$ 56,511	\$ 55,662	\$ 525,083	\$ 535,323	\$ 2,941	\$ (4,263)	\$ 29,410	
2018 total	\$ -	\$ -	\$ 55,354,737	\$ 52,646,338	\$ 81,216	\$ 9,203	\$ 9,290	\$ 57,012	\$ 57,561	\$ 540,570	\$ 565,785	\$ 8,068	\$ (3)	\$ 80,681	

Year	Initiative	Adj Gross Annual Natural Gas (Therms)	Net Lifetime Natural Gas (Therms)	Adj Gross Lifetime Natural Gas (Therms)	Net Annual Oil (MMBTU)	Adj Gross Annual Oil (MMBTU)	Net Lifetime Oil (MMBTU)	Adj Gross Lifetime Oil (MMBTU)	Net Annual Propane (MMBTU)	Net Lifetime Propane (MMBTU)	Net Annual Water (Gallons)	Net Lifetime Water (Gallons)	Energy Benefits	DRIFE Energy Benefits
2018	A1a - Residential New Construction	510.00	14,148.00	11,790.00	48.60	40.50	1,215.00	1,012.50	1,371.14	33,257.16	-	-	1,217,195.42	33,080.07
2018	A1b - Residential Multi-Family Retrofit	343.00	2,327.85	2,765.00	337.76	412.63	5,719.47	6,990.69	13.74	236.07	132,543.05	927,801.35	466,913.05	16,819.50
2018	A1c - Residential Home Energy Services - Measures	259,824.20	6,601,631.68	5,338,435.00	42,469.12	35,757.20	832,850.71	697,396.10	5,577.82	101,214.60	4,282,892.00	41,752,394.00	6,644,806.51	289,542.45
2018	A1d - Residential Home Energy Services - RCS	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A1e - Residential Behavior/Feedback Program	6,760.00	67,600.00	67,600.00	378.10	378.10	3,781.00	3,781.00	93.60	936.00	498,332.00	4,983,320.00	85,505.77	5,464.36
2018	A2a - Residential Heating & Cooling Equipment	(5,040.00)	(73,483.20)	(90,720.00)	-	-	-	-	-	-	-	-	1,859,708.41	67,418.16
2018	A2b - Residential Consumer Products	222.00	1,554.00	1,554.00	25.20	25.20	176.40	176.40	22.20	155.40	145,720.00	1,020,040.00	468,202.90	25,662.91
2018	A2c - Residential Lighting	(114,088.65)	(851,485.35)	(1,172,357.54)	(4,620.60)	(6,300.46)	(48,486.92)	(67,016.01)	(1,192.41)	(12,512.75)	-	-	5,893,268.80	269,478.04
2018	A3a - Residential Statewide Marketing	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A3b - Residential Statewide Database	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A3c - Residential DOER Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A3d - Residential EEAC Consultants	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A3e - Residential Sponsorships & Subscriptions	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A3f - Residential HEAT Loan	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A3g - Residential Workforce Development	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A3h - Residential R&D and Demonstration	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	A3i - Residential Education	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	B1a - Low-Income Single Family Retrofit	-	-	-	6,344.50	6,344.50	126,461.00	126,461.00	1,137.40	22,334.00	-	-	1,218,140.92	57,732.44
2018	B1b - Low-Income Multi-Family Retrofit	-	-	-	7,053.10	7,053.10	176,327.50	176,327.50	-	-	-	-	445,425.57	19,939.71
2018	B2a - Low-Income Statewide Marketing	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	B2b - Low-Income Statewide Database	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	B2c - Low-Income DOER Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	B2d - Low-Income Energy Affordability Network	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	B2e - Low-Income Sponsorships & Subscriptions	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	C1a - C&I New Buildings & Major Renovations	(3,859.96)	(37,892.11)	(52,274.00)	(578.17)	(809.23)	(7,908.10)	(11,013.53)	-	-	-	-	992,068.48	29,812.89
2018	C1b - C&I Initial Purchase & End of Useful Life	(57,148.00)	(1,131,530.40)	(1,142,960.00)	-	-	-	-	-	-	-	-	2,036,054.42	56,674.21
2018	C2a - C&I Existing Building Retrofit	3,925.14	5,135.11	9,867.53	(2,204.56)	(2,229.60)	(29,990.88)	(30,350.56)	316.94	3,923.24	-	-	5,644,631.32	218,863.06
2018	C2b - C&I Small Business	(37,002.53)	(437,465.48)	(420,781.54)	19,620.41	19,515.94	157,411.54	157,227.66	4,901.72	38,688.11	-	-	9,042,656.87	447,507.06
2018	C2c - C&I Multifamily Retrofit	343.00	2,948.40	3,395.00	334.61	412.63	6,639.31	8,192.43	13.77	265.50	274,442.08	1,234,989.36	457,800.84	13,658.06
2018	C2d - C&I Upstream Lighting	(54,816.16)	(338,490.47)	(276,144.80)	(13,110.96)	(10,674.73)	(65,916.57)	(53,775.57)	-	-	-	-	6,154,356.08	583,798.34
2018	C3a - C&I Statewide Marketing	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	C3b - C&I Statewide Database	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	C3c - C&I DOER Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	C3d - C&I EEAC Consultants	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	C3e - C&I Sponsorships & Subscriptions	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	C3f - C&I Workforce Development	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	C3g - C&I R&D and Demonstration	-	-	-	-	-	-	-	-	-	-	-	-	-

Year	Adj Gross Annual Natural Gas (Therms)	Net Lifetime Natural Gas (Therms)	Adj Gross Lifetime Natural Gas (Therms)	Net Annual Oil (MMBTU)	Adj Gross Annual Oil (MMBTU)	Net Lifetime Oil (MMBTU)	Adj Gross Lifetime Oil (MMBTU)	Net Annual Propane (MMBTU)	Net Lifetime Propane (MMBTU)	Net Annual Water (Gallons)	Net Lifetime Water (Gallons)	Energy Benefits	DRIFE Energy Benefits
CHECKS													
2016 total	\$ (1,529,129)	\$ 1,059,987	\$ (214,431)	\$ 28,708	\$ 25,074	\$ 862,577	\$ 750,271	\$ 6,155	\$ 126,159	\$ 3,531,402	\$ 30,002,047	\$ 41,243,650	\$ 8,094,176
2017 total	\$ (426,320)	\$ 3,074,367	\$ 1,692,902	\$ 41,598	\$ 36,795	\$ 1,018,105	\$ 891,639	\$ 8,621	\$ 150,617	\$ 4,402,315	\$ 39,799,009	\$ 40,638,645	\$ 4,556,238
2018 total	\$ (280)	\$ 3,824,998	\$ 2,280,169	\$ 56,097	\$ 49,926	\$ 1,158,279	\$ 1,015,410	\$ 12,256	\$ 188,497	\$ 5,333,929	\$ 49,918,545	\$ 42,626,735	\$ 2,135,451

Year	Initiative	Total Energy Benefits	Summer Capacity Benefits	Transmission Capacity Benefits	Distribution Capacity Benefits	DRIPE Capacity Benefits	Total Capacity Benefits	Natural Gas Benefits
2018	A1a - Residential New Construction	\$ 1,250,275	333,163.15	74,130.96	248,266.69	-	\$ 655,561	12,613.16
2018	A1b - Residential Multi-Family Retrofit	\$ 483,733	32,892.64	7,686.82	25,743.37	-	\$ 66,323	1,863.43
2018	A1c - Residential Home Energy Services - Measures	\$ 6,934,349	3,278,043.20	749,145.62	2,508,909.81	-	\$ 6,536,099	5,852,737.42
2018	A1d - Residential Home Energy Services - RCS	\$ -	-	-	-	-	\$ -	-
2018	A1e - Residential Behavior/Feedback Program	\$ 90,970	29,030.70	7,052.96	23,620.55	-	\$ 59,704	56,344.85
2018	A2a - Residential Heating & Cooling Equipment	\$ 1,927,127	433,390.85	99,224.93	332,307.08	-	\$ 864,923	(63,870.53)
2018	A2b - Residential Consumer Products	\$ 493,866	200,477.89	48,300.75	161,760.59	-	\$ 410,539	1,281.00
2018	A2c - Residential Lighting	\$ 6,162,747	1,394,147.96	327,166.35	1,095,689.33	-	\$ 2,817,004	(721,858.58)
2018	A3a - Residential Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2018	A3b - Residential Statewide Database	\$ -	-	-	-	-	\$ -	-
2018	A3c - Residential DOER Assessment	\$ -	-	-	-	-	\$ -	-
2018	A3d - Residential EEAC Consultants	\$ -	-	-	-	-	\$ -	-
2018	A3e - Residential Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2018	A3f - Residential HEAT Loan	\$ -	-	-	-	-	\$ -	-
2018	A3g - Residential Workforce Development	\$ -	-	-	-	-	\$ -	-
2018	A3h - Residential R&D and Demonstration	\$ -	-	-	-	-	\$ -	-
2018	A3i - Residential Education	\$ -	-	-	-	-	\$ -	-
2018	B1a - Low-Income Single Family Retrofit	\$ 1,275,873	496,621.69	115,310.58	386,178.39	-	\$ 998,111	-
2018	B1b - Low-Income Multi-Family Retrofit	\$ 465,365	59,422.46	14,329.94	47,991.38	-	\$ 121,744	-
2018	B2a - Low-Income Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2018	B2b - Low-Income Statewide Database	\$ -	-	-	-	-	\$ -	-
2018	B2c - Low-Income DOER Assessment	\$ -	-	-	-	-	\$ -	-
2018	B2d - Low-Income Energy Affordability Network	\$ -	-	-	-	-	\$ -	-
2018	B2e - Low-Income Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2018	C1a - C&I New Buildings & Major Renovations	\$ 1,021,881	230,810.90	52,735.78	176,613.61	-	\$ 460,160	(29,739.59)
2018	C1b - C&I Initial Purchase & End of Useful Life	\$ 2,092,729	617,483.84	138,321.29	463,241.92	-	\$ 1,219,047	(923,950.49)
2018	C2a - C&I Existing Building Retrofit	\$ 5,863,494	1,817,327.83	419,229.85	1,404,012.57	-	\$ 3,640,570	1,766.60
2018	C2b - C&I Small Business	\$ 9,490,164	3,360,460.14	797,428.05	2,670,609.03	-	\$ 6,828,497	(338,030.43)
2018	C2c - C&I Multifamily Retrofit	\$ 471,459	35,370.74	8,153.88	27,307.59	-	\$ 70,832	2,066.81
2018	C2d - C&I Upstream Lighting	\$ 6,738,154	2,463,270.36	640,379.81	2,144,650.03	-	\$ 5,248,300	(255,797.08)
2018	C3a - C&I Statewide Marketing	\$ -	-	-	-	-	\$ -	-
2018	C3b - C&I Statewide Database	\$ -	-	-	-	-	\$ -	-
2018	C3c - C&I DOER Assessment	\$ -	-	-	-	-	\$ -	-
2018	C3d - C&I EEAC Consultants	\$ -	-	-	-	-	\$ -	-
2018	C3e - C&I Sponsorships & Subscriptions	\$ -	-	-	-	-	\$ -	-
2018	C3f - C&I Workforce Development	\$ -	-	-	-	-	\$ -	-
2018	C3g - C&I R&D and Demonstration	\$ -	-	-	-	-	\$ -	-

CHECKS								
2016 total		\$ 49,337,826	\$ 12,702,757	\$ 3,426,250	\$ 11,474,609	\$ -	\$ 27,603,616	\$ 1,262,888
2017 total		\$ 45,194,884	\$ 13,766,656	\$ 3,407,689	\$ 11,412,447	\$ -	\$ 28,586,792	\$ 2,922,738
2018 total		\$ 44,762,187	\$ 14,781,914	\$ 3,498,598	\$ 11,716,902	\$ -	\$ 29,997,414	\$ 3,595,427

Year	Initiative	Natural Gas DRIPE Benefits	Total Gas Benefits	Oil Benefits	Propane Benefits	Water Benefits	Total Other Resource Benefits	Total Resource Benefits	Total Non Energy Impacts	Total Benefits
2018	A1a - Residential New Construction	503.40	\$ 13,117	26,365.64	649,011.98	-	\$ 675,378	\$ 2,594,330	491,375.59	\$ 3,085,706
2018	A1b - Residential Multi-Family Retrofit	150.23	\$ 2,014	120,301.60	4,569.83	9,898.15	\$ 134,770	\$ 686,839	215,500.27	\$ 902,339
2018	A1c - Residential Home Energy Services - Measures	244,672.28	\$ 6,097,410	17,739,060.81	1,961,341.23	441,947.39	\$ 20,142,349	\$ 39,710,207	6,973,691.25	\$ 46,683,898
2018	A1d - Residential Home Energy Services - RCS	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A1e - Residential Behavior/Feedback Program	3,639.14	\$ 59,984	76,414.09	17,883.37	52,817.24	\$ 147,115	\$ 357,773	-	\$ 357,773
2018	A2a - Residential Heating & Cooling Equipment	(2,891.94)	\$ (66,762)	-	-	-	\$ -	\$ 2,725,287	209,969.54	\$ 2,935,257
2018	A2b - Residential Consumer Products	104.97	\$ 1,386	3,498.76	2,951.08	10,882.19	\$ 17,332	\$ 923,123	-	\$ 923,123
2018	A2c - Residential Lighting	(45,343.71)	\$ (767,202)	(993,759.84)	(240,120.15)	-	\$ (1,233,880)	\$ 6,978,668	449,738.95	\$ 7,428,407
2018	A3a - Residential Statewide Marketing	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A3b - Residential Statewide Database	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A3c - Residential DOER Assessment	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A3d - Residential EEAC Consultants	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A3e - Residential Sponsorships & Subscriptions	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A3f - Residential HEAT Loan	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A3g - Residential Workforce Development	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A3h - Residential R&D and Demonstration	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	A3i - Residential Education	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	B1a - Low-Income Single Family Retrofit	-	\$ -	2,681,357.89	433,018.72	-	\$ 3,114,377	\$ 5,388,361	1,224,945.63	\$ 6,613,306
2018	B1b - Low-Income Multi-Family Retrofit	-	\$ -	3,826,326.64	-	-	\$ 3,826,327	\$ 4,413,436	559,184.02	\$ 4,972,620
2018	B2a - Low-Income Statewide Marketing	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	B2b - Low-Income Statewide Database	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	B2c - Low-Income DOER Assessment	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	B2d - Low-Income Energy Affordability Network	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	B2e - Low-Income Sponsorships & Subscriptions	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	C1a - C&I New Buildings & Major Renovations	(1,834.65)	\$ (31,574)	(149,860.42)	-	-	\$ (149,860)	\$ 1,300,607	-	\$ 1,300,607
2018	C1b - C&I Initial Purchase & End of Useful Life	(45,920.69)	\$ (969,871)	-	-	-	\$ -	\$ 2,341,905	-	\$ 2,341,905
2018	C2a - C&I Existing Building Retrofit	1,263.88	\$ 3,030	(567,770.62)	75,297.11	-	\$ (492,474)	\$ 9,014,622	1,960,143.43	\$ 10,974,765
2018	C2b - C&I Small Business	(23,331.19)	\$ (361,362)	2,889,952.33	736,195.39	-	\$ 3,626,148	\$ 19,583,447	4,301,055.42	\$ 23,884,503
2018	C2c - C&I Multifamily Retrofit	186.75	\$ 2,254	129,899.27	5,147.24	13,117.98	\$ 148,164	\$ 692,709	90,126.65	\$ 782,836
2018	C2d - C&I Upstream Lighting	(30,116.28)	\$ (285,913)	(1,182,636.29)	-	-	\$ (1,182,636)	\$ 10,517,905	2,356,476.57	\$ 12,874,382
2018	C3a - C&I Statewide Marketing	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	C3b - C&I Statewide Database	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	C3c - C&I DOER Assessment	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	C3d - C&I EEAC Consultants	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	C3e - C&I Sponsorships & Subscriptions	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	C3f - C&I Workforce Development	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -
2018	C3g - C&I R&D and Demonstration	-	\$ -	-	-	-	\$ -	\$ -	-	\$ -

Year	Total	Natural Gas DRIPE Benefits	Total Gas Benefits	Oil Benefits	Propane Benefits	Water Benefits	Total Other Resource Benefits	Total Resource Benefits	Total Non Energy Impacts	Total Benefits
CHECKS										
2016	total	\$ (92,427)	\$ 1,170,461	\$ 18,080,023	\$ 2,389,017	\$ 318,325	\$ 20,787,365	\$ 98,899,267	\$ 15,835,048	\$ 114,734,315
2017	total	\$ 76,632	\$ 2,999,370	\$ 21,512,813	\$ 2,887,027	\$ 421,778	\$ 24,821,618	\$ 101,602,664	\$ 17,321,163	\$ 118,923,828
2018	total	\$ 101,082	\$ 3,696,509	\$ 24,599,150	\$ 3,645,296	\$ 528,663	\$ 28,773,109	\$ 107,229,218	\$ 18,832,207	\$ 126,061,425

Cape Light Compact
2016-2018 Residential Energy Efficiency Reconciliation Factor
\$ in Thousands

Year	EE Expenses	EE Charge Revenues	FCM, RGGI, & Other Revenues	Past Period Reconciliation with Interest	Interest on Deferral	Total EERF	Billed Distribution (GWh)	EE Reconciliation Factor (cents/kWh)	Low Income Reconciliation Factor (cents/kWh)	EE Reconciliation Factor (cents/kWh)
	Col. B EEE	Col. C EEC	Col. D OR	Col. E PPRA	Col. F I	Col. G	Col. H FkWh	Col. I	Col. J EERF _L	Col. K EERF _R
2016	\$ 21,849.887	\$ (2,661.134)	\$ (2,818.197)	\$ 3,630.391	\$ 24.921	\$ 20,025.868	1,064.454	1.881	0.168	2.049
2017	\$ 22,837.638	\$ (2,651.843)	\$ (3,781.542)	\$ 0.000	\$ 11.648	\$ 16,415.902	1,060.737	1.548	0.163	1.711
2018	\$ 24,027.189	\$ (2,628.106)	\$ (5,648.889)	\$ (0.000)	\$ 12.035	\$ 15,762.227	1,051.243	1.499	0.180	1.679

Col. A: Effective year (January 1, 2016 - December 31, 2016), (January 1, 2017 - December 31, 2017), (January 1, 2018 - December 31, 2018).
 Col. B: Consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.
 Col. C: 2016 through 2018 Residential Monthly Deferral, Lines 1, Cols. N.
 Col. D: 2016 through 2018 Residential Monthly Deferral, Lines 3, Cols. N + Lines 4, Cols. N + Lines 5, Cols. N.
 Col. E: 2016 through 2018 Residential Monthly Deferral, Lines 10, Cols. N.
 Col. F: 2016 through 2018 Residential Monthly Deferral, Lines 9, Cols. N.
 Col. G: Col. B + Col. C + Col. D + Col. E + Col. F.
 Col. H: Eversource forecast of Cape Light Compact sales through December 31, 2018. Residential sales only.
 Col. I: Col. G/Col. H divided by 10
 Col. J: 2016-2018 Low-Income Energy Efficiency Reconciliation Factor, Cols. J
 Col. K: Col. I + Col. J

Note that per D.P.U. 10-06, at 2-3 (June 24, 2010), lost base revenue is not applicable to the Cape Light Compact.

Cape Light Compact
2015 Residential Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Actual Dec-14	Col. B Actual Jan-15	Col. C Actual Feb-15	Col. D Actual Mar-15	Col. E Actual Apr-15	Col. F Actual May-15	Col. G Actual Jun-15	Col. H Actual Jul-15	Col. I Actual Aug-15	Col. J Actual Sep-15	Col. K Planned Oct-15	Col. L Planned Nov-15	Col. M Planned Dec-15	Col. N Total
1 SBC Revenues		\$ -	\$ (217.836)	\$ (217.836)	\$ (217.836)	\$ (217.836)	\$ (217.836)	\$ (217.836)	\$ (217.836)	\$ (217.836)	\$ (217.836)	\$ (217.836)	\$ (435.673)	\$ (2,614.037)
2 EES Revenues @ 1/1/15 - 8/31/15 rate		\$ -	\$ (1,235.248)	\$ (1,235.248)	\$ (1,235.248)	\$ (1,235.248)	\$ (1,235.248)	\$ (1,235.248)	\$ (1,235.248)	\$ (1,235.248)				\$ (9,881.986)
3 EES Revenues @ 9/1/15 - 12/31/15 rate											\$ (1,964.441)	\$ (1,964.441)	\$ (3,928.883)	\$ (7,857.766)
4 FCM Revenues*		\$ -	\$ (54.712)	\$ (52.931)	\$ (53.885)	\$ (50.397)	\$ (49.934)	\$ (47.415)	\$ (48.687)	\$ (54.248)	\$ (12.361)	\$ (12.361)	\$ (24.722)	\$ (461.654)
5 RGI Revenues*		\$ -	\$ -	\$ (258.293)	\$ -	\$ (172.461)	\$ -	\$ -	\$ (245.657)	\$ -	\$ -	\$ (154.261)	\$ -	\$ (830.672)
6 Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7 Total Energy Efficiency Revenues		\$ -	\$ (1,507.797)	\$ (1,764.309)	\$ (1,506.969)	\$ (1,675.942)	\$ (1,503.019)	\$ (1,500.500)	\$ (1,747.429)	\$ (1,507.333)	\$ (2,194.639)	\$ (2,348.899)	\$ (4,389.277)	\$ (21,646.114)
8 Total Energy Efficiency Expenses**		\$ 41.350	\$ 256.304	\$ 2,317.654	\$ 1,806.526	\$ 1,840.009	\$ 3,168.202	\$ 1,108.245	\$ 2,395.291	\$ 1,309.392	\$ 2,836.194	\$ 2,836.194	\$ 2,836.194	\$ 22,751.555
9 Deferral (Over)/Under Recovery		\$ 41.350	\$ (1,251.493)	\$ 553.345	\$ 299.557	\$ 164.067	\$ 1,665.183	\$ (392.255)	\$ 647.861	\$ (197.941)	\$ 641.555	\$ 487.295	\$ (1,553.083)	
10 Interest on Deferral Balance		\$ -	\$ (0.045)	\$ (0.022)	\$ (0.038)	\$ (0.026)	\$ (0.029)	\$ (0.020)	\$ (0.013)	\$ (0.017)	\$ 2.729	\$ 3.084	\$ 2.753	\$ 8.356
11 (Over)/Under Ending Balance	\$ 2,516.594	\$ 2,557.944	\$ 1,306.406	\$ 1,859.729	\$ 2,159.248	\$ 2,323.288	\$ 3,988.443	\$ 3,596.168	\$ 4,244.016	\$ 4,046.059	\$ 4,690.343	\$ 5,180.722	\$ 3,630.391	
12 Surplus Revenue Annual Interest Rate		0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	
13 Borrowing Annual Interest Rate		0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	

*Sector portion of revenues are allocated based on 2015 actual kWh sales.

**2015 Expenditures are based on actual 2015 results to date through September, and are forecasted from October through December.

Cape Light Compact
2016 Residential Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Planned Dec-15	Col. B Planned Jan-16	Col. C Planned Feb-16	Col. D Planned Mar-16	Col. E Planned Apr-16	Col. F Planned May-16	Col. G Planned Jun-16	Col. H Planned Jul-16	Col. I Planned Aug-16	Col. J Planned Sep-16	Col. K Planned Oct-16	Col. L Planned Nov-16	Col. M Planned Dec-16	Col. N Total	
1 SBC Revenues		\$ -	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (221.761)	\$ (443.522)	\$ (2,661.134)
2 EES Revenues		\$ -	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (1,668.822)	\$ (3,337.645)	\$ (20,025.868)
3 FCM Revenues*		\$ -	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (40.143)	\$ (80.285)	\$ (481.710)
4 RGI Revenues*		\$ -	\$ -	\$ (477.519)	\$ -	\$ -	\$ -	\$ (619.656)	\$ -	\$ -	\$ (619.656)	\$ -	\$ -	\$ (619.656)	\$ (2,336.486)
5 Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total Energy Efficiency Revenues		\$ -	\$ (1,930.726)	\$ (2,408.245)	\$ (1,930.726)	\$ (1,930.726)	\$ (2,550.382)	\$ (1,930.726)	\$ (1,930.726)	\$ (2,550.382)	\$ (1,930.726)	\$ (1,930.726)	\$ (4,481.108)	\$ (25,505.198)	
7 Total Energy Efficiency Expenses**		\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 1,820.824	\$ 21,849.887	
8 Deferral (Over)/Under Recovery		\$ 1,820.824	\$ (109.902)	\$ (587.421)	\$ (109.902)	\$ (109.902)	\$ (729.558)	\$ (109.902)	\$ (109.902)	\$ (729.558)	\$ (109.902)	\$ (109.902)	\$ (2,660.284)		
9 Interest on Deferral Balance		\$ 2.460	\$ 2.924	\$ 2.737	\$ 2.550	\$ 2.492	\$ 2.266	\$ 2.039	\$ 1.981	\$ 1.755	\$ 1.528	\$ 1.470	\$ 0.720	24.921	
10 (Over)/Under Ending Balance	\$ 3,630.391	\$ 5,453.675	\$ 5,346.697	\$ 4,762.013	\$ 4,654.660	\$ 4,547.250	\$ 3,819.957	\$ 3,712.095	\$ 3,604.173	\$ 2,876.370	\$ 2,767.996	\$ 2,659.564	\$ 0.000		
11 Surplus Revenue Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
12 Borrowing Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	

*Sector portion of revenues are allocated based on 2016 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2017 Residential Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Planned Dec-16	Col. B Planned Jan-17	Col. C Planned Feb-17	Col. D Planned Mar-17	Col. E Planned Apr-17	Col. F Planned May-17	Col. G Planned Jun-17	Col. H Planned Jul-17	Col. I Planned Aug-17	Col. J Planned Sep-17	Col. K Planned Oct-17	Col. L Planned Nov-17	Col. M Planned Dec-17	Col. N Total	
1 SBC Revenues		\$ -	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (220.987)	\$ (441.974)	\$ (2,651.843)
2 EES Revenues		\$ -	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (1,367.992)	\$ (2,735.984)	\$ (16,415.902)
3 FCM Revenues*		\$ -	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (89.505)	\$ (179.009)	\$ (1,074.055)
4 RGI Revenues*		\$ -	\$ -	\$ (620.217)	\$ -	\$ -	\$ -	\$ (695.757)	\$ -	\$ -	\$ (695.757)	\$ -	\$ -	\$ (695.757)	\$ (2,707.486)
5 Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total Energy Efficiency Revenues		\$ -	\$ (1,678.483)	\$ (2,298.700)	\$ (1,678.483)	\$ (1,678.483)	\$ (2,374.240)	\$ (1,678.483)	\$ (1,678.483)	\$ (2,374.240)	\$ (1,678.483)	\$ (1,678.483)	\$ (4,052.723)	\$ (22,849.286)	
7 Total Energy Efficiency Expenses**		\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 1,903.136	\$ 22,837.638	
8 Deferral (Over)/Under Recovery		\$ 1,903.136	\$ 224.653	\$ (395.563)	\$ 224.653	\$ 224.653	\$ (471.103)	\$ 224.653	\$ 224.653	\$ (471.103)	\$ 224.653	\$ 224.653	\$ (2,149.587)		
9 Interest on Deferral Balance		\$ 0.515	\$ 1.092	\$ 1.046	\$ 1.001	\$ 1.123	\$ 1.057	\$ 0.990	\$ 1.113	\$ 1.047	\$ 0.980	\$ 1.103	\$ 0.582	11.648	
10 (Over)/Under Ending Balance	\$ 0.000	\$ 1,903.652	\$ 2,129.397	\$ 1,734.880	\$ 1,960.534	\$ 2,186.310	\$ 1,716.263	\$ 1,941.907	\$ 2,167.672	\$ 1,697.616	\$ 1,923.249	\$ 2,149.005	\$ (0.000)		
11 Surplus Revenue Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
12 Borrowing Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	

*Sector portion of revenues are allocated based on 2017 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2018 Residential Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Planned Dec-17	Col. B Planned Jan-18	Col. C Planned Feb-18	Col. D Planned Mar-18	Col. E Planned Apr-18	Col. F Planned May-18	Col. G Planned Jun-18	Col. H Planned Jul-18	Col. I Planned Aug-18	Col. J Planned Sep-18	Col. K Planned Oct-18	Col. L Planned Nov-18	Col. M Planned Dec-18	Col. N Total	
1 SBC Revenues		\$ -	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (219.009)	\$ (438.018)	\$ (2,628.108)
2 EES Revenues		\$ -	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (1,313.519)	\$ (2,627.038)	\$ (15,762.227)
3 FCM Revenues*		\$ -	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (240.991)	\$ (481.981)	\$ (2,891.886)
4 RGI Revenues*		\$ -	\$ -	\$ (696.073)	\$ -	\$ -	\$ -	\$ (686.977)	\$ -	\$ -	\$ (686.977)	\$ -	\$ -	\$ (686.977)	\$ (2,757.003)
5 Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total Energy Efficiency Revenues		\$ -	\$ (1,773.518)	\$ (2,469.591)	\$ (1,773.518)	\$ (1,773.518)	\$ (2,460.495)	\$ (1,773.518)	\$ (1,773.518)	\$ (2,460.495)	\$ (1,773.518)	\$ (1,773.518)	\$ (4,234.014)	\$ (24,039.224)	
7 Total Energy Efficiency Expenses**		\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 2,002.266	\$ 24,027.189	
8 Deferral (Over)/Under Recovery		\$ 2,002.266	\$ 228.747	\$ (467.326)	\$ 228.747	\$ 228.747	\$ (458.229)	\$ 228.747	\$ 228.747	\$ (458.229)	\$ 228.747	\$ 228.747	\$ (2,231.748)		
9 Interest on Deferral Balance		\$ 0.542	\$ 1.147	\$ 1.083	\$ 1.019	\$ 1.143	\$ 1.082	\$ 1.020	\$ 1.145	\$ 1.083	\$ 1.022	\$ 1.146	\$ 0.604	12.035	
10 (Over)/Under Ending Balance	\$ (0.000)	\$ 2,002.808	\$ 2,232.702	\$ 1,766.459	\$ 1,996.225	\$ 2,226.116	\$ 1,768.968	\$ 1,998.736	\$ 2,228.628	\$ 1,771.482	\$ 2,001.250	\$ 2,231.144	\$ 0.000		
11 Surplus Revenue Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
12 Borrowing Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	

*Sector portion of revenues are allocated based on 2018 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2016-2018 Low-Income Energy Efficiency Reconciliation Factor
\$ in Thousands

Year	EE Expenses	EE Charge Revenues	FCM, RGGI, & Other Revenues	Past Period Reconciliation with Interest	Interest on Deferral	Total EERF	Billed Distribution (GWh)	Res-LI Rev. Req. Allocation	EE Reconciliation Factor (cents/kWh)
Col. A	Col. B EEE	Col. C EEC	Col. D OR	Col. E PPRA	Col. F I	Col. G	Col. H FKWh	Col. I	Col. J EERF _{LI}
2016	\$ 4,045.512	\$ (159.697)	\$ (169.123)	\$ 521.846	\$ 3.994	\$ 4,242.532	1,128.333	\$ 1,899.81	0.168
2017	\$ 4,464.004	\$ (159.018)	\$ (226.760)	\$ 0.000	\$ 2.235	\$ 4,080.461	1,124.344	\$ 1,827.23	0.163
2018	\$ 4,967.996	\$ (157.604)	\$ (338.756)	\$ 0.000	\$ 2.473	\$ 4,474.110	1,114.285	\$ 2,003.51	0.180

Col. A: Effective year (January 1, 2016 - December 31, 2016), (January 1, 2017 - December 31, 2017), (January 1, 2018 - December 31, 2018).
 Col. B: Consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.
 Col. C: 2016 through 2018 Low-Income Monthly Deferral, Lines 1, Cols. N.
 Col. D: 2016 through 2018 Low-Income Monthly Deferral, Lines 3, Cols. N + Lines 4, Cols. N + Lines 5, Cols. N.
 Col. E: 2016 through 2018 Low-Income Monthly Deferral, Lines 10, Cols. N.
 Col. F: 2016 through 2018 Low-Income Monthly Deferral, Lines 9, Cols. N.
 Col. G: Col. B + Col. C + Col. D + Col. E + Col. F.
 Col. H: Eversource forecast of Cape Light Compact sales through December 31, 2018. Sum of residential and low-income sales.
 Col. I: Per D.P.U. 14-80, Exh. NSTAR RDC-1 (Revised), 44.78% of Col. G.
 Col. J: Col. I/Col. H divided by 10.

Note that per D.P.U. 10-06, at 2-3 (June 24, 2010), lost base revenue is not applicable to the Cape Light Compact.

Cape Light Compact
2015 Low-Income Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Actual Dec-14	Col. B Actual Jan-15	Col. C Actual Feb-15	Col. D Actual Mar-15	Col. E Actual Apr-15	Col. F Actual May-15	Col. G Actual Jun-15	Col. H Actual Jul-15	Col. I Actual Aug-15	Col. J Actual Sep-15	Col. K Planned Oct-15	Col. L Planned Nov-15	Col. M Planned Dec-15	Col. N Total
1 SBC Revenues	\$	-	\$ (12.328)	\$ (12.328)	\$ (12.328)	\$ (12.328)	\$ (12.328)	\$ (12.328)	\$ (12.328)	\$ (12.328)	\$ (12.328)	\$ (12.328)	\$ (24.656)	\$ (147.935)
2 EES Revenues @ 1/1/15 - 8/31/15 rate	\$	-	\$ (291.108)	\$ (291.108)	\$ (291.108)	\$ (291.108)	\$ (291.108)	\$ (291.108)	\$ (291.108)	\$ (291.108)	\$ (291.108)	\$ (291.108)	\$ (582.217)	\$ (1,164.433)
3 EES Revenues @ 9/1/15 - 12/31/15 rate											\$ (291.108)	\$ (291.108)	\$ (582.217)	\$ (1,164.433)
4 FCM Revenues*	\$	-	\$ (3.740)	\$ (3.618)	\$ (3.683)	\$ (3.445)	\$ (3.413)	\$ (3.241)	\$ (3.328)	\$ (3.708)	\$ (0.845)	\$ (0.845)	\$ (1.690)	\$ (31.556)
5 RGGI Revenues*	\$	-	\$ -	\$ (17.656)	\$ -	\$ (11.789)	\$ -	\$ -	\$ (16.792)	\$ -	\$ -	\$ (10.545)	\$ -	\$ (56.781)
6 Other Revenues*	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7 Total Energy Efficiency Revenues	\$	-	\$ (307.176)	\$ (324.710)	\$ (307.119)	\$ (318.670)	\$ (306.849)	\$ (306.677)	\$ (323.556)	\$ (307.144)	\$ (304.281)	\$ (314.826)	\$ (608.562)	\$ (3,729.571)
8 Total Energy Efficiency Expenses**	\$	5.097	\$ 21.514	\$ 352.045	\$ 244.621	\$ 87.402	\$ 299.037	\$ 475.614	\$ 403.701	\$ 299.441	\$ 917.826	\$ 917.826	\$ 917.826	4,941.950
9 Deferral (Over)/Under Recovery	\$	5.097	\$ (285.662)	\$ 27.335	\$ (62.499)	\$ (231.267)	\$ (7.812)	\$ 168.937	\$ 80.145	\$ (7.703)	\$ 613.545	\$ 603.000	\$ 309.264	
10 Interest on Deferral Balance	\$	-	\$ (0.079)	\$ (0.039)	\$ (0.066)	\$ (0.046)	\$ (0.051)	\$ (0.035)	\$ (0.022)	\$ (0.030)	\$ (0.087)	\$ (0.011)	\$ 0.229	\$ (0.237)
11 (Over)/Under Ending Balance	\$ (690.297)	\$ (685.200)	\$ (970.940)	\$ (943.644)	\$ (1,006.209)	\$ (1,237.522)	\$ (1,245.385)	\$ (1,076.484)	\$ (996.362)	\$ (1,004.094)	\$ (390.637)	\$ 212.352	\$ 521.846	
12 Surplus Revenue Annual Interest Rate		0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
13 Borrowing Annual Interest Rate		0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%

*Sector portion of revenues are allocated based on 2015 actual kWh sales.

**2015 Expenditures are based on actual 2015 results to date through September, and are forecasted from October through December.

Cape Light Compact
2016 Low-Income Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Planned Dec-15	Col. B Planned Jan-16	Col. C Planned Feb-16	Col. D Planned Mar-16	Col. E Planned Apr-16	Col. F Planned May-16	Col. G Planned Jun-16	Col. H Planned Jul-16	Col. I Planned Aug-16	Col. J Planned Sep-16	Col. K Planned Oct-16	Col. L Planned Nov-16	Col. M Planned Dec-16	Col. N Total
1 SBC Revenues	\$ -	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (13,308)	\$ (159,697)
2 EES Revenues	\$ -	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (353,544)	\$ (4,242,532)
3 FCM Revenues*	\$ -	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (2,409)	\$ (28,908)
4 RGGI Revenues*	\$ -	\$ -	\$ (28,656)	\$ -	\$ -	\$ -	\$ (37,186)	\$ -	\$ -	\$ (37,186)	\$ -	\$ -	\$ -	\$ (140,215)
5 Other Revenues*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total Energy Efficiency Revenues	\$ -	\$ (369,261)	\$ (369,261)	\$ (369,261)	\$ (369,261)	\$ (369,261)	\$ (406,447)	\$ (369,261)	\$ (369,261)	\$ (406,447)	\$ (369,261)	\$ (369,261)	\$ (775,709)	\$ (4,571,351)
7 Total Energy Efficiency Expenses**	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 337,126	\$ 4,045,512
8 Deferral (Over)/Under Recovery	\$ 337,126	\$ (32,135)	\$ (60,792)	\$ (32,135)	\$ (32,135)	\$ (32,135)	\$ (69,321)	\$ (32,135)	\$ (32,135)	\$ (69,321)	\$ (32,135)	\$ (32,135)	\$ (32,135)	\$ (438,583)
9 Interest on Deferral Balance	\$ 0.374	\$ 0.457	\$ 0.432	\$ 0.407	\$ 0.390	\$ 0.362	\$ 0.335	\$ 0.318	\$ 0.291	\$ 0.263	\$ 0.246	\$ 0.219	\$ 0.119	\$ 3.994
10 (Over)/Under Ending Balance	\$ 521,846	\$ 859,346	\$ 827,667	\$ 767,307	\$ 735,579	\$ 703,833	\$ 634,874	\$ 603,074	\$ 571,256	\$ 502,225	\$ 470,353	\$ 438,464	\$ 0.000	
11 Surplus Revenue Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%
12 Borrowing Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%

*Sector portion of revenues are allocated based on 2016 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2017 Low-Income Monthly EES Deferral
\$ in Thousands

Line	Description	Col. A Planned Dec-16	Col. B Planned Jan-17	Col. C Planned Feb-17	Col. D Planned Mar-17	Col. E Planned Apr-17	Col. F Planned May-17	Col. G Planned Jun-17	Col. H Planned Jul-17	Col. I Planned Aug-17	Col. J Planned Sep-17	Col. K Planned Oct-17	Col. L Planned Nov-17	Col. M Planned Dec-17	Col. N Total
1	SBC Revenues*	\$ -	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (13.252)	\$ (26.503)	\$ (159.018)
2	EES Revenues	\$ -	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (340.038)	\$ (680.077)	\$ (4,080.461)
3	FCM Revenues*	\$ -	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (5.367)	\$ (10.734)	\$ (64.406)
4	RGGI Revenues*	\$ -	\$ -	\$ (37.191)	\$ -	\$ -	\$ -	\$ (41.721)	\$ -	\$ -	\$ (41.721)	\$ -	\$ -	\$ (41.721)	\$ (162.354)
5	Other Revenues*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Total Energy Efficiency Revenues	\$ -	\$ (358.657)	\$ (358.657)	\$ (358.657)	\$ (358.657)	\$ (358.657)	\$ (400.378)	\$ (358.657)	\$ (358.657)	\$ (400.378)	\$ (358.657)	\$ (358.657)	\$ (759.035)	\$ (4,466.239)
7	Total Energy Efficiency Expenses**	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 372.000	\$ 4,464.004
8	Deferral (Over)/Under Recovery	\$ 372.000	\$ 13.343	\$ (23.848)	\$ 13.343	\$ 13.343	\$ (28.378)	\$ 13.343	\$ 13.343	\$ (28.378)	\$ 13.343	\$ 13.343	\$ 13.343	\$ (387.035)	
9	Interest on Deferral Balance	\$ 0.101	\$ 0.205	\$ 0.202	\$ 0.200	\$ 0.207	\$ 0.203	\$ 0.199	\$ 0.206	\$ 0.202	\$ 0.199	\$ 0.206	\$ 0.105	\$ 2.235	
10	(Over)/Under Ending Balance	\$ 0.000	\$ 372.101	\$ 385.649	\$ 362.004	\$ 375.547	\$ 389.097	\$ 360.922	\$ 374.465	\$ 388.014	\$ 359.839	\$ 373.381	\$ 386.930	\$ 0.000	
11	Surplus Revenue Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
12	Borrowing Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	

*Sector portion of revenues are allocated based on 2017 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2018 Low-Income Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Planned Dec-17	Col. B Planned Jan-18	Col. C Planned Feb-18	Col. D Planned Mar-18	Col. E Planned Apr-18	Col. F Planned May-18	Col. G Planned Jun-18	Col. H Planned Jul-18	Col. I Planned Aug-18	Col. J Planned Sep-18	Col. K Planned Oct-18	Col. L Planned Nov-18	Col. M Planned Dec-18	Col. N Total
1 SBC Revenues*	\$ -	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (13.134)	\$ (157.604)
2 EES Revenues	\$ -	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (372.842)	\$ (4,474.110)
3 FCM Revenues*	\$ -	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (14.452)	\$ (173.422)
4 RGGI Revenues*	\$ -	\$ -	\$ (41.742)	\$ -	\$ -	\$ -	\$ (41.197)	\$ -	\$ -	\$ (41.197)	\$ -	\$ -	\$ -	\$ (165.333)
5 Other Revenues*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total Energy Efficiency Revenues	\$ -	\$ (400.428)	\$ (442.170)	\$ (400.428)	\$ (400.428)	\$ (400.428)	\$ (441.625)	\$ (400.428)	\$ (400.428)	\$ (441.625)	\$ (400.428)	\$ (400.428)	\$ (842.053)	\$ (4,970.469)
7 Total Energy Efficiency Expenses**	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 414.000	\$ 4,967.996
8 Deferral (Over)/Under Recovery	\$ 414.000	\$ 13.572	\$ (28.171)	\$ 13.572	\$ 13.572	\$ (27.625)	\$ 13.572	\$ 13.572	\$ (27.625)	\$ 13.572	\$ 13.572	\$ 13.572	\$ (428.053)	
9 Interest on Deferral Balance	\$ 0.112	\$ 0.228	\$ 0.224	\$ 0.220	\$ 0.228	\$ 0.224	\$ 0.220	\$ 0.228	\$ 0.224	\$ 0.221	\$ 0.228	\$ 0.116	\$ 2.473	
10 (Over)/Under Ending Balance	\$ 0.000	\$ 414.112	\$ 427.911	\$ 399.965	\$ 413.757	\$ 427.556	\$ 400.155	\$ 413.947	\$ 427.747	\$ 400.346	\$ 414.138	\$ 427.937	\$ (0.000)	
11 Surplus Revenue Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
12 Borrowing Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	

*Sector portion of revenues are allocated based on 2018 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2016-2018 C&I Energy Efficiency Reconciliation Factor
 \$ in Thousands

Year	EE Expenses	EE Charge Revenues	FCM, RGGI, & Other Revenues	Past Period Reconciliation with Interest	Interest on Deferral	Total EERF	Billed Distribution (GWh)	EE Reconciliation Factor (cents/kWh)	CI-LI Rev. Req. Allocation	Low Income Reconciliation Factor (cents/kWh)	EE Reconciliation Factor (cents/kWh)
	Col. A	Col. B EEE	Col. C EEC	Col. D OR	Col. E PPRA	Col. F I	Col. G	Col. H FkWh	Col. I	Col. J	Col. K EERF _L
2016	\$ 12,690.618	\$ (2,211.046)	\$ (2,341.543)	\$	\$ 3,288	\$ 8,141.316	884.418	0.921	2,342.726	0.265	1.186
2017	\$ 14,963.161	\$ (2,198.913)	\$ (3,135.662)	\$ 0.000	\$ 7.685	\$ 9,636.272	879.565	1.096	2,253.230	0.256	1.352
2018	\$ 17,425.667	\$ (2,176.967)	\$ (4,679.201)	\$ 0.000	\$ 8.739	\$ 10,578.238	870.787	1.215	2,470.603	0.284	1.499

Col. A: Effective year (January 1, 2016 - December 31, 2016), (January 1, 2017 - December 31, 2017), (January 1, 2018 - December 31, 2018).
 Col. B: Consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.
 Col. C: 2016 through 2018 C&I Monthly Deferral, Lines 1, Cols. N.
 Col. D: 2016 through 2018 C&I Monthly Deferral, Lines 3, Cols. N + Lines 4, Cols. N + Lines 5, Cols. N.
 Col. E: 2016 through 2018 C&I Monthly Deferral, Lines 10, Cols. N.
 Col. F: 2016 through 2018 C&I Monthly Deferral, Lines 9, Cols. N.
 Col. G: Col. B + Col. C + Col. D + Col. E + Col. F.
 Col. H: Eversource forecast of Cape Light Compact sales through December 31, 2018. C&I sales only.
 Col. I: Col. G/Col. H divided by 10.
 Col. J: Per D.P.U. 14-80, Exh. NSTAR RDC-1 (Revised), 55.22% of 2016-2018 Low-Income Energy Efficiency Reconciliation Factor, Col. G.
 Col. K: Col. J/Col. H divided by 10.
 Col. L: Col. I + Col. K.

Note that per D.P.U. 10-06, at 2-3 (June 24, 2010), lost base revenue is not applicable to the Cape Light Compact.

Cape Light Compact
2015 C&I Monthly EES Deferral
\$ in Thousands

Line	Description	Col. A Actual Dec-14	Col. B Actual Jan-15	Col. C Actual Feb-15	Col. D Actual Mar-15	Col. E Actual Apr-15	Col. F Actual May-15	Col. G Actual Jun-15	Col. H Actual Jul-15	Col. I Actual Aug-15	Col. J Actual Sep-15	Col. K Planned Oct-15	Col. L Planned Nov-15	Col. M Planned Dec-15	Col. N Total
1	SBC Revenues	\$ -	\$ -	\$ (188,056)	\$ (188,056)	\$ (188,056)	\$ (188,056)	\$ (188,056)	\$ (188,056)	\$ (188,056)	\$ (188,056)	\$ (188,056)	\$ (188,056)	\$ (376,111)	\$ (2,256,668)
2	EES Revenues @ 1/1/15 - 8/31/15 rate	\$ -	\$ -	\$ (645,440)	\$ (645,440)	\$ (645,440)	\$ (645,440)	\$ (645,440)	\$ (645,440)	\$ (645,440)	\$ (645,440)	\$ (645,440)	\$ (645,440)	\$ (1,290,879)	\$ (5,163,517)
3	EES Revenues @ 9/1/15 - 12/31/15 rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (645,440)	\$ (645,440)	\$ -	\$ (2,581,758)
4	FCM Revenues*	\$ -	\$ -	\$ (44,343)	\$ (42,899)	\$ (43,672)	\$ (40,845)	\$ (40,470)	\$ (38,428)	\$ (39,460)	\$ (43,966)	\$ (10,018)	\$ (10,018)	\$ (20,036)	\$ (374,156)
5	RGGI Revenues*	\$ -	\$ -	\$ -	\$ (209,338)	\$ -	\$ (139,774)	\$ -	\$ -	\$ (199,098)	\$ -	\$ -	\$ (125,023)	\$ -	\$ (673,233)
6	Other Revenues*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7	Total Energy Efficiency Revenues	\$ -	\$ -	\$ (877,838)	\$ (1,085,733)	\$ (877,167)	\$ (1,014,115)	\$ (873,966)	\$ (871,924)	\$ (1,072,052)	\$ (877,462)	\$ (843,513)	\$ (968,537)	\$ (1,687,027)	\$ (11,049,332)
8	Total Energy Efficiency Expenses**	\$ 16,462	\$ 355,285	\$ 804,495	\$ 1,122,025	\$ 1,106,007	\$ 2,096,690	\$ 750,059	\$ 791,709	\$ 874,065	\$ 2,012,318	\$ 2,012,318	\$ 2,012,318	\$ 2,012,318	\$ 13,953,749
9	Deferral (Over)/Under Recovery	\$ 16,462	\$ (522,553)	\$ (281,238)	\$ 244,857	\$ 91,893	\$ 1,222,724	\$ (121,865)	\$ (280,343)	\$ (3,397)	\$ 1,168,804	\$ 1,043,781	\$ 325,291	\$ -	\$ -
10	Interest on Deferral Balance	\$ -	\$ (0,664)	\$ (0,330)	\$ (0,557)	\$ (0,388)	\$ (0,427)	\$ (0,295)	\$ (0,188)	\$ (0,250)	\$ (0,357)	\$ (0,219)	\$ (0,133)	\$ (3,808)	\$ (3,808)
11	(Over)/Under Ending Balance	\$ (3,804,556)	\$ (3,788,095)	\$ (4,311,312)	\$ (4,592,879)	\$ (4,348,579)	\$ (4,257,074)	\$ (3,034,777)	\$ (3,156,936)	\$ (3,437,468)	\$ (3,441,115)	\$ (2,272,668)	\$ (1,229,106)	\$ (903,948)	\$ -
12	Surplus Revenue Annual Interest Rate		0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
13	Borrowing Annual Interest Rate		0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%

*Sector portion of revenues are allocated based on 2015 actual kWh sales.

**2015 Expenditures are based on actual 2015 results to date through September, and are forecasted from October through December.

Cape Light Compact
2016 C&I Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Planned Dec-15	Col. B Planned Jan-16	Col. C Planned Feb-16	Col. D Planned Mar-16	Col. E Planned Apr-16	Col. F Planned May-16	Col. G Planned Jun-16	Col. H Planned Jul-16	Col. I Planned Aug-16	Col. J Planned Sep-16	Col. K Planned Oct-16	Col. L Planned Nov-16	Col. M Planned Dec-16	Col. N Total
1 SBC Revenues	\$ -	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (184.254)	\$ (2,211.046)
2 EES Revenues	\$ -	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (603.114)	\$ (7,237.368)
3 FCM Revenues*	\$ -	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (33.353)	\$ (400.237)
4 RGGI Revenues*	\$ -	\$ -	\$ (396.754)	\$ -	\$ -	\$ -	\$ (514.851)	\$ -	\$ -	\$ (514.851)	\$ -	\$ -	\$ -	\$ (1,941.307)
5 Other Revenues*	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total Energy Efficiency Revenues	\$ -	\$ (820.721)	\$ (1,217.475)	\$ (820.721)	\$ (820.721)	\$ (820.721)	\$ (1,335.572)	\$ (820.721)	\$ (820.721)	\$ (1,335.572)	\$ (820.721)	\$ (820.721)	\$ (2,156.293)	\$ (11,789.958)
7 Total Energy Efficiency Expenses**	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 1,057.552	\$ 12,690.618
8 Deferral (Over)/Under Recovery	\$ 1,057.552	\$ 236.831	\$ (159.924)	\$ 236.831	\$ 236.831	\$ (278.020)	\$ 236.831	\$ 236.831	\$ (278.020)	\$ 236.831	\$ 236.831	\$ 236.831	\$ (1,098.741)	
9 Interest on Deferral Balance	\$ (0.203)	\$ 0.147	\$ 0.168	\$ 0.189	\$ 0.317	\$ 0.306	\$ 0.295	\$ 0.424	\$ 0.413	\$ 0.402	\$ 0.531	\$ 0.297	\$ 3.288	
10 (Over)/Under Ending Balance	\$ (903.948)	\$ 153.400	\$ 390.378	\$ 230.622	\$ 467.642	\$ 704.790	\$ 427.076	\$ 664.202	\$ 901.457	\$ 623.850	\$ 861.082	\$ 1,098.444	\$ 0.000	
11 Surplus Revenue Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
12 Borrowing Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	

*Sector portion of revenues are allocated based on 2016 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2017 C&I Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Planned Dec-16	Col. B Planned Jan-17	Col. C Planned Feb-17	Col. D Planned Mar-17	Col. E Planned Apr-17	Col. F Planned May-17	Col. G Planned Jun-17	Col. H Planned Jul-17	Col. I Planned Aug-17	Col. J Planned Sep-17	Col. K Planned Oct-17	Col. L Planned Nov-17	Col. M Planned Dec-17	Col. N Total
1 SBC Revenues*		\$ -	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (183.243)	\$ (2,198.913)
2 EES Revenues		\$ -	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (803.023)	\$ (9,636.272)
3 FCM Revenues*		\$ -	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (74.217)	\$ (890.609)
4 RGGI Revenues*		\$ -	\$ -	\$ (514.285)	\$ -	\$ -	\$ (576.923)	\$ -	\$ -	\$ (576.923)	\$ -	\$ -	\$ -	\$ (2,245.053)
5 Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total Energy Efficiency Revenues		\$ -	\$ (1,060.483)	\$ (1,574.768)	\$ (1,060.483)	\$ (1,060.483)	\$ (1,637.406)	\$ (1,060.483)	\$ (1,060.483)	\$ (1,637.406)	\$ (1,060.483)	\$ (1,060.483)	\$ (2,697.888)	\$ (14,970.847)
7 Total Energy Efficiency Expenses**		\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 1,246.930	\$ 14,963.161
8 Deferral (Over)/Under Recovery		\$ 1,246.930	\$ 186.447	\$ (327.838)	\$ 186.447	\$ 186.447	\$ (390.475)	\$ 186.447	\$ 186.447	\$ (390.475)	\$ 186.447	\$ 186.447	\$ (1,450.958)	
9 Interest on Deferral Balance		\$ 0.338	\$ 0.726	\$ 0.688	\$ 0.650	\$ 0.752	\$ 0.697	\$ 0.642	\$ 0.743	\$ 0.688	\$ 0.633	\$ 0.735	\$ 0.393	\$ 7.685
10 (Over)/Under Ending Balance	\$ 0.000	\$ 1,247.268	\$ 1,434.441	\$ 1,107.292	\$ 1,294.390	\$ 1,481.588	\$ 1,091.810	\$ 1,278.899	\$ 1,466.090	\$ 1,076.303	\$ 1,263.383	\$ 1,450.565	\$ 0.000	
11 Surplus Revenue Annual Interest Rate			0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
12 Borrowing Annual Interest Rate			0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	

*Sector portion of revenues are allocated based on 2017 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2018 C&I Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Planned Dec-17	Col. B Planned Jan-18	Col. C Planned Feb-18	Col. D Planned Mar-18	Col. E Planned Apr-18	Col. F Planned May-18	Col. G Planned Jun-18	Col. H Planned Jul-18	Col. I Planned Aug-18	Col. J Planned Sep-18	Col. K Planned Oct-18	Col. L Planned Nov-18	Col. M Planned Dec-18	Col. N Total	
1 SBC Revenues*		\$ -	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (181.414)	\$ (362.828)	\$ (2,176.967)
2 EES Revenues		\$ -	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (881.520)	\$ (1,763.040)	\$ (10,578.238)
3 FCM Revenues*		\$ -	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (199.622)	\$ (399.244)	\$ (2,395.465)
4 RGGI Revenues*		\$ -	\$ -	\$ (576.585)	\$ -	\$ -	\$ (569.050)	\$ -	\$ -	\$ (569.050)	\$ -	\$ -	\$ -	\$ (569.050)	\$ (2,283.736)
5 Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total Energy Efficiency Revenues		\$ -	\$ (1,262.556)	\$ (1,839.141)	\$ (1,262.556)	\$ (1,262.556)	\$ (1,831.606)	\$ (1,262.556)	\$ (1,262.556)	\$ (1,831.606)	\$ (1,262.556)	\$ (1,262.556)	\$ (3,094.162)	\$ (17,434.405)	
7 Total Energy Efficiency Expenses**		\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 1,452.139	\$ 17,425.667	
8 Deferral (Over)/Under Recovery		\$ 1,452.139	\$ 189.583	\$ (387.002)	\$ 189.583	\$ 189.583	\$ (379.467)	\$ 189.583	\$ 189.583	\$ (379.467)	\$ 189.583	\$ 189.583	\$ (1,642.023)		
9 Interest on Deferral Balance		\$ 0.393	\$ 0.838	\$ 0.785	\$ 0.732	\$ 0.835	\$ 0.784	\$ 0.733	\$ 0.836	\$ 0.785	\$ 0.734	\$ 0.837	\$ 0.444	\$ 8.739	
10 (Over)/Under Ending Balance	\$ 0.000	\$ 1,452.532	\$ 1,642.953	\$ 1,256.737	\$ 1,447.052	\$ 1,637.470	\$ 1,258.787	\$ 1,449.103	\$ 1,639.523	\$ 1,260.841	\$ 1,451.158	\$ 1,641.578	\$ 0.000		
11 Surplus Revenue Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	
12 Borrowing Annual Interest Rate		0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	0.65%	

*Sector portion of revenues are allocated based on 2018 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2015 Total Monthly EES Deferral
\$ in Thousands

Line Description	Col. A Actual Dec-14	Col. B Actual Jan-15	Col. C Actual Feb-15	Col. D Actual Mar-15	Col. E Actual Apr-15	Col. F Actual May-15	Col. G Actual Jun-15	Col. H Actual Jul-15	Col. I Actual Aug-15	Col. J Actual Sep-15	Col. K Planned Oct-15	Col. L Planned Nov-15	Col. M Planned Dec-15	Col. N Total
1 SBC Revenues		\$ -	\$ (418.220)	\$ (418.220)	\$ (418.220)	\$ (418.220)	\$ (418.220)	\$ (418.220)	\$ (418.220)	\$ (418.220)	\$ (418.220)	\$ (418.220)	\$ (836.440)	\$ (5,018.640)
2 EES Revenues @ 1/1/15 - 8/31/15 rate		\$ -	\$ (2,171.796)	\$ (2,171.796)	\$ (2,171.796)	\$ (2,171.796)	\$ (2,171.796)	\$ (2,171.796)	\$ (2,171.796)	\$ (2,171.796)	\$ (2,171.796)	\$ -	\$ -	\$ (17,374.368)
3 EES Revenues @ 9/1/15 - 12/31/15 rate		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,900.989)	\$ (2,900.989)	\$ (5,801.979)	\$ (11,603.957)
4 FCM Revenues		\$ -	\$ (102.795)	\$ (99.449)	\$ (101.240)	\$ (94.688)	\$ (93.818)	\$ (89.084)	\$ (91.475)	\$ (101.923)	\$ (23.224)	\$ (23.224)	\$ (46.448)	\$ (867.367)
5 RGGI Revenues		\$ -	\$ -	\$ (485.287)	\$ -	\$ (324.023)	\$ -	\$ -	\$ (461.547)	\$ -	\$ -	\$ (289.829)	\$ -	\$ (1,560.686)
6 Other Revenues		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7 Total Energy Efficiency Revenues		\$ -	\$ (2,692.811)	\$ (3,174.751)	\$ (2,691.256)	\$ (3,008.727)	\$ (2,683.834)	\$ (2,679.100)	\$ (3,143.038)	\$ (2,691.939)	\$ (3,342.433)	\$ (3,632.262)	\$ (6,684.866)	\$ (36,425.017)
8 Total Energy Efficiency Expenses**		\$ 62.909	\$ 633.103	\$ 3,474.194	\$ 3,173.171	\$ 3,033.418	\$ 5,563.929	\$ 2,333.917	\$ 3,590.701	\$ 2,482.898	\$ 5,766.338	\$ 5,766.338	\$ 5,766.338	\$ 41,647.254
9 Deferral (Over)/Under Recovery		\$ 62.909	\$ (2,059.708)	\$ 299.442	\$ 481.915	\$ 24.692	\$ 2,880.095	\$ (345.183)	\$ 447.663	\$ (209.041)	\$ 2,423.905	\$ 2,134.076	\$ (918.529)	
10 Interest on Deferral Balance		\$ -	\$ (0.788)	\$ (0.391)	\$ (0.660)	\$ (0.461)	\$ (0.507)	\$ (0.350)	\$ (0.223)	\$ (0.297)	\$ 2.285	\$ 2.854	\$ 2.849	\$ 4.311
11 (Over)/Under Ending Balance	\$ (1,978.259)	\$ (1,915.350)	\$ (3,975.846)	\$ (3,676.795)	\$ (3,195.539)	\$ (3,171.308)	\$ (291.720)	\$ (637.252)	\$ (189.813)	\$ (399.150)	\$ 2,027.039	\$ 4,163.969	\$ 3,248.289	

**2015 Expenditures are based on actual 2015 results to date through September, and are forecasted from October through December.

Cape Light Compact
2016 Total Monthly EES Deferral
\$ in Thousands

Line	Description	Col. A Planned Dec-15	Col. B Planned Jan-16	Col. C Planned Feb-16	Col. D Planned Mar-16	Col. E Planned Apr-16	Col. F Planned May-16	Col. G Planned Jun-16	Col. H Planned Jul-16	Col. I Planned Aug-16	Col. J Planned Sep-16	Col. K Planned Oct-16	Col. L Planned Nov-16	Col. M Planned Dec-16	Col. N Total
1	SBC Revenues		\$ -	\$ (419,323)	\$ (419,323)	\$ (419,323)	\$ (419,323)	\$ (419,323)	\$ (419,323)	\$ (419,323)	\$ (419,323)	\$ (419,323)	\$ (419,323)	\$ (838,646)	\$ (5,031,877)
2	EES Revenues		\$ -	\$ (2,625,481)	\$ (2,625,481)	\$ (2,625,481)	\$ (2,625,481)	\$ (2,625,481)	\$ (2,625,481)	\$ (2,625,481)	\$ (2,625,481)	\$ (2,625,481)	\$ (2,625,481)	\$ (5,250,961)	\$ (31,505,767)
3	FCM Revenues*		\$ -	\$ (75,905)	\$ (75,905)	\$ (75,905)	\$ (75,905)	\$ (75,905)	\$ (75,905)	\$ (75,905)	\$ (75,905)	\$ (75,905)	\$ (75,905)	\$ (151,809)	\$ (910,855)
4	RGGI Revenues*		\$ -	\$ -	\$ (902,930)	\$ -	\$ -	\$ (1,171,693)	\$ -	\$ -	\$ (1,171,693)	\$ -	\$ -	\$ (1,171,693)	\$ (4,418,008)
5	Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Total Energy Efficiency Revenues		\$ -	\$ (3,120,708)	\$ (4,023,638)	\$ (3,120,708)	\$ (3,120,708)	\$ (4,292,401)	\$ (3,120,708)	\$ (3,120,708)	\$ (4,292,401)	\$ (3,120,708)	\$ (3,120,708)	\$ (7,413,109)	\$ (41,866,507)
7	Total Energy Efficiency Expenses**		\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 3,215,501	\$ 38,586,017
8	Deferral (Over)/Under Recovery		\$ 3,215,501	\$ 94,793	\$ (808,137)	\$ 94,793	\$ 94,793	\$ (1,076,900)	\$ 94,793	\$ 94,793	\$ (1,076,900)	\$ 94,793	\$ 94,793	\$ (4,197,608)	
9	Interest on Deferral Balance		\$ 2,630	\$ 3,528	\$ 3,337	\$ 3,146	\$ 3,199	\$ 2,934	\$ 2,670	\$ 2,723	\$ 2,458	\$ 2,194	\$ 2,246	\$ 1,136	\$ 32,202
10	(Over)/Under Ending Balance	\$ 3,248,289	\$ 6,466,421	\$ 6,564,742	\$ 5,759,942	\$ 5,857,881	\$ 5,955,873	\$ 4,881,908	\$ 4,979,371	\$ 5,076,887	\$ 4,002,445	\$ 4,099,432	\$ 4,196,472	\$ 0,000	

*Sector portion of revenues are allocated based on 2016 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2017 Total Monthly EES Deferral
\$ in Thousands

Line	Description	Col. A Planned Dec-16	Col. B Planned Jan-17	Col. C Planned Feb-17	Col. D Planned Mar-17	Col. E Planned Apr-17	Col. F Planned May-17	Col. G Planned Jun-17	Col. H Planned Jul-17	Col. I Planned Aug-17	Col. J Planned Sep-17	Col. K Planned Oct-17	Col. L Planned Nov-17	Col. M Planned Dec-17	Col. N Total
1	SBC Revenues [^]		\$ -	\$ (417.481)	\$ (417.481)	\$ (417.481)	\$ (417.481)	\$ (417.481)	\$ (417.481)	\$ (417.481)	\$ (417.481)	\$ (417.481)	\$ (417.481)	\$ (834.962)	\$ (5,009.774)
2	EES Revenues		\$ -	\$ (2,511.053)	\$ (2,511.053)	\$ (2,511.053)	\$ (2,511.053)	\$ (2,511.053)	\$ (2,511.053)	\$ (2,511.053)	\$ (2,511.053)	\$ (2,511.053)	\$ (2,511.053)	\$ (5,022.106)	\$ (30,132.634)
3	FCM Revenues*		\$ -	\$ (169.089)	\$ (169.089)	\$ (169.089)	\$ (169.089)	\$ (169.089)	\$ (169.089)	\$ (169.089)	\$ (169.089)	\$ (169.089)	\$ (169.089)	\$ (338.178)	\$ (2,029.070)
4	RGGI Revenues*		\$ -	\$ -	\$ (1,171.693)	\$ -	\$ -	\$ (1,314.400)	\$ -	\$ -	\$ (1,314.400)	\$ -	\$ -	\$ (1,314.400)	\$ (5,114.894)
5	Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Total Energy Efficiency Revenues		\$ -	\$ (3,097.623)	\$ (4,269.316)	\$ (3,097.623)	\$ (3,097.623)	\$ (4,412.024)	\$ (3,097.623)	\$ (3,097.623)	\$ (4,412.024)	\$ (3,097.623)	\$ (3,097.623)	\$ (7,509.647)	\$ (42,286.372)
7	Total Energy Efficiency Expenses**		\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 3,522.067	\$ 42,264.803
8	Deferral (Over)/Under Recovery		\$ 3,522.067	\$ 424.444	\$ (747.249)	\$ 424.444	\$ 424.444	\$ (889.957)	\$ 424.444	\$ 424.444	\$ (889.957)	\$ 424.444	\$ 424.444	\$ (3,987.580)	
9	Interest on Deferral Balance		\$ 0.954	\$ 2.023	\$ 1.937	\$ 1.851	\$ 2.081	\$ 1.957	\$ 1.831	\$ 2.062	\$ 1.937	\$ 1.812	\$ 2.043	\$ 1.079	\$ 21.569
10	(Over)/Under Ending Balance	\$ 0.000	\$ 3,523.021	\$ 3,949.488	\$ 3,204.176	\$ 3,630.470	\$ 4,056.995	\$ 3,168.995	\$ 3,595.270	\$ 4,021.776	\$ 3,133.757	\$ 3,560.013	\$ 3,986.500	\$ 0.000	

*Sector portion of revenues are allocated based on 2017 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

Cape Light Compact
2018 Total Monthly EES Deferral
\$ in Thousands

Line	Description	Col. A Planned Dec-17	Col. B Planned Jan-18	Col. C Planned Feb-18	Col. D Planned Mar-18	Col. E Planned Apr-18	Col. F Planned May-18	Col. G Planned Jun-18	Col. H Planned Jul-18	Col. I Planned Aug-18	Col. J Planned Sep-18	Col. K Planned Oct-18	Col. L Planned Nov-18	Col. M Planned Dec-18	Col. N Total
1	SBC Revenues [^]		\$ -	\$ (413.557)	\$ (413.557)	\$ (413.557)	\$ (413.557)	\$ (413.557)	\$ (413.557)	\$ (413.557)	\$ (413.557)	\$ (413.557)	\$ (413.557)	\$ (827.113)	\$ (4,962.679)
2	EES Revenues		\$ -	\$ (2,567.881)	\$ (2,567.881)	\$ (2,567.881)	\$ (2,567.881)	\$ (2,567.881)	\$ (2,567.881)	\$ (2,567.881)	\$ (2,567.881)	\$ (2,567.881)	\$ (2,567.881)	\$ (5,135.762)	\$ (30,814.574)
3	FCM Revenues*		\$ -	\$ (455.064)	\$ (455.064)	\$ (455.064)	\$ (455.064)	\$ (455.064)	\$ (455.064)	\$ (455.064)	\$ (455.064)	\$ (455.064)	\$ (455.064)	\$ (910.129)	\$ (5,460.774)
4	RGGI Revenues*		\$ -	\$ -	\$ (1,314.400)	\$ -	\$ -	\$ (1,297.224)	\$ -	\$ -	\$ (1,297.224)	\$ -	\$ -	\$ (1,297.224)	\$ (5,206.072)
5	Other Revenues*		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Total Energy Efficiency Revenues		\$ -	\$ (3,436.502)	\$ (4,750.903)	\$ (3,436.502)	\$ (3,436.502)	\$ (4,733.726)	\$ (3,436.502)	\$ (3,436.502)	\$ (4,733.726)	\$ (3,436.502)	\$ (3,436.502)	\$ (8,170.228)	\$ (46,444.099)
7	Total Energy Efficiency Expenses**		\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 3,868.404	\$ 46,420.852
8	Deferral (Over)/Under Recovery		\$ 3,868.404	\$ 431.902	\$ (882.498)	\$ 431.902	\$ 431.902	\$ (865.322)	\$ 431.902	\$ 431.902	\$ (865.322)	\$ 431.902	\$ 431.902	\$ (4,301.824)	
9	Interest on Deferral Balance		\$ 1.048	\$ 2.213	\$ 2.092	\$ 1.971	\$ 2.206	\$ 2.090	\$ 1.974	\$ 2.209	\$ 2.093	\$ 1.976	\$ 2.211	\$ 1.164	\$ 23.247
10	(Over)/Under Ending Balance	\$ (0.000)	\$ 3,869.452	\$ 4,303.567	\$ 3,423.161	\$ 3,857.034	\$ 4,291.142	\$ 3,427.910	\$ 3,861.786	\$ 4,295.897	\$ 3,432.668	\$ 3,866.546	\$ 4,300.660	\$ 0.000	

[^]Sector portion of revenues are allocated based on 2018 forecasted kWh sales.

**Expenses are consistent with the Cape Light Compact's 2016-2018 Three-Year Plan, D.P.U. 15-166.

PARTICIPANT BILL IMPACTS

Cape Light Compact

October 30, 2015

D.P.U. 15-166

Exh. Compact-6, Participant Bill Impact Analysis

H.O.s Leupold and Hale

Class	Rate Class	Pre-Participation		Low Participation														
		2015		Savings (Reduced Usage)	Monthly Usage		2016			2018								
		Monthly Usage kWh	Total Bill \$		%	kWh	kWh	Total Bill \$	Change from 2015 Bill \$	%	Total Bill \$	Change from 2015 Bill \$	%					
Residential	Res Rate R-1 Annual	584	-	\$	124.53	2%	572	-	\$	120.33	\$	(4.20)	-3.4%	\$	118.22	\$	(6.31)	-5.1%
	Res Rate R-1 Seasonal Winter	141	-	\$	40.50	2%	138	-	\$	39.30	\$	(1.20)	-3.0%	\$	38.79	\$	(1.71)	-4.2%
	Res Rate R-1 Seasonal Summer	401	-	\$	108.30	2%	393	-	\$	105.03	\$	(3.27)	-3.0%	\$	103.58	\$	(4.72)	-4.4%
	Res Assist R-2 Annual	483	-	\$	72.04	25%	362	-	\$	54.80	\$	(17.24)	-23.9%	\$	54.84	\$	(17.20)	-23.9%
	Res Assist R-2 Seasonal Winter	313	-	\$	57.18	25%	235	-	\$	43.66	\$	(13.52)	-23.6%	\$	43.68	\$	(13.50)	-23.6%
	Res Assist R-2 Seasonal Summer	385	-	\$	69.71	25%	289	-	\$	53.07	\$	(16.64)	-23.9%	\$	53.10	\$	(16.61)	-23.8%
	Res Space Heating R-3	859	-	\$	168.22	2%	842	-	\$	162.57	\$	(5.65)	-3.4%	\$	159.45	\$	(8.77)	-5.2%
	Res Assist Spc Htg R-4	934	-	\$	129.58	25%	701	-	\$	99.44	\$	(30.14)	-23.3%	\$	99.51	\$	(30.07)	-23.2%
	Res Controlled Wtr Htg R-5	187	-	\$	35.08	2%	183	-	\$	33.78	\$	(1.30)	-3.7%	\$	33.10	\$	(1.98)	-5.6%
	Res TOU R-6	1,049	-	\$	211.65	2%	1,028	-	\$	204.48	\$	(7.17)	-3.4%	\$	200.68	\$	(10.97)	-5.2%
Small Comm.	General G-1 Annual, Average LF	2,396	8	\$	453.60	1%	2,372	8	\$	448.81	\$	(4.79)	-1.1%	\$	458.61	\$	5.01	1.1%
	General G-1 Annual, High LF	2,396	6	\$	453.60	1%	2,372	6	\$	448.81	\$	(4.79)	-1.1%	\$	458.61	\$	5.01	1.1%
	General G-1 Annual, Low LF	2,396	11	\$	458.46	1%	2,372	11	\$	453.67	\$	(4.79)	-1.0%	\$	463.47	\$	5.01	1.1%
	General G-1 Seasonal Winter	539	3	\$	129.21	1%	534	3	\$	127.85	\$	(1.36)	-1.1%	\$	130.05	\$	0.84	0.7%
	General G-1 Seasonal Summer	1,605	9	\$	373.83	1%	1,589	9	\$	369.51	\$	(4.32)	-1.2%	\$	376.07	\$	2.24	0.6%
	General Power G-4, Average LF	6,844	42	\$	1,188.46	1%	6,776	42	\$	1,175.53	\$	(12.93)	-1.1%	\$	1,203.51	\$	15.05	1.3%
	General Power G-4, High LF	6,844	29	\$	1,138.80	1%	6,776	29	\$	1,125.87	\$	(12.93)	-1.1%	\$	1,153.85	\$	15.05	1.3%
	General Power G-4, Low LF	6,844	75	\$	1,314.52	1%	6,776	74	\$	1,297.77	\$	(16.75)	-1.3%	\$	1,325.75	\$	11.23	0.9%
	Comm Space Heating G-5	1,563	-	\$	291.87	1%	1,547	-	\$	288.30	\$	(3.57)	-1.2%	\$	294.69	\$	2.82	1.0%
	All Electric School G-6	88,287	-	\$	14,163.64	1%	87,404	-	\$	13,986.42	\$	(177.22)	-1.3%	\$	14,347.40	\$	183.76	1.3%
	General TOU G-7 Annual, Average LF	4,742	14	\$	827.83	1%	4,695	14	\$	819.11	\$	(8.72)	-1.1%	\$	838.50	\$	10.67	1.3%
	General TOU G-7 Annual, High LF	4,742	10	\$	789.87	1%	4,695	10	\$	781.15	\$	(8.72)	-1.1%	\$	800.54	\$	10.67	1.4%
	General TOU G-7 Annual, Low LF	4,742	24	\$	922.73	1%	4,695	24	\$	914.01	\$	(8.72)	-0.9%	\$	933.40	\$	10.67	1.2%
	General TOU G-7 Seasonal Winter	532	4	\$	121.62	1%	527	4	\$	120.58	\$	(1.04)	-0.9%	\$	122.75	\$	1.13	0.9%
	General TOU G-7 Seasonal Summer	919	7	\$	204.00	1%	910	7	\$	202.13	\$	(1.87)	-0.9%	\$	205.88	\$	1.88	0.9%
Lg Comm/Ind	Medium General G-2, Average LF	101,737	272	\$	16,730.67	1%	100,720	269	\$	16,523.57	\$	(207.10)	-1.2%	\$	16,939.54	\$	208.87	1.2%
	Medium General G-2, High LF	141,375	272	\$	22,296.00	1%	139,961	269	\$	22,017.08	\$	(278.92)	-1.3%	\$	22,595.12	\$	299.12	1.3%
	Medium General G-2, Low LF	61,951	272	\$	11,144.55	1%	61,331	269	\$	11,009.34	\$	(135.21)	-1.2%	\$	11,262.64	\$	118.09	1.1%
	Large General G-3, Average LF	488,724	1,285	\$	77,192.08	1%	483,837	1,272	\$	76,229.59	\$	(962.49)	-1.2%	\$	78,227.84	\$	1,035.76	1.3%
	Large General G-3, High LF	676,334	1,285	\$	102,458.61	1%	669,571	1,272	\$	101,167.33	\$	(1,291.28)	-1.3%	\$	103,932.66	\$	1,474.05	1.4%
	Large General G-3, Low LF	301,114	1,285	\$	51,925.54	1%	298,103	1,272	\$	51,291.86	\$	(633.68)	-1.2%	\$	52,523.02	\$	597.48	1.2%

Notes:

The Program Administrators determined that there is no low, medium, or high savings scenario for low-income and street lighting participants. Customer participation in the Energy Efficiency programs is assumed to occur in 2016.

PARTICIPANT BILL IMPACTS

Cape Light Compact

October 30, 2015

D.P.U. 15-166

Exh. Compact-6, Participant Bill Impact Analysis

H.O.s Leupold and Hale

Class	Rate Class	Pre-Participation		Medium Participation								
		2015		Savings (Reduced Usage)	Monthly Usage		2016		2018			
		Monthly Usage kWh	Total Bill \$		%	kWh	kWh	Total Bill \$	Change from 2015 Bill \$	Total Bill \$	Change from 2015 Bill \$	
Residential	Res Rate R-1 Annual	584	\$ 124.53	10%	526		\$ 110.96	\$ (13.57)	-10.9%	\$ 109.01	\$ (15.52)	-12.5%
	Res Rate R-1 Seasonal Winter	141	\$ 40.50	10%	127		\$ 36.47	\$ (4.03)	-10.0%	\$ 36.00	\$ (4.50)	-11.1%
	Res Rate R-1 Seasonal Summer	401	\$ 108.30	10%	361		\$ 96.78	\$ (11.52)	-10.6%	\$ 95.45	\$ (12.85)	-11.9%
	Res Assist R-2 Annual	483	\$ 72.04	25%	362		\$ 54.80	\$ (17.24)	-23.9%	\$ 54.84	\$ (17.20)	-23.9%
	Res Assist R-2 Seasonal Winter	313	\$ 57.18	25%	235		\$ 43.66	\$ (13.52)	-23.6%	\$ 43.68	\$ (13.50)	-23.6%
	Res Assist R-2 Seasonal Summer	385	\$ 69.71	25%	289		\$ 53.07	\$ (16.64)	-23.9%	\$ 53.10	\$ (16.61)	-23.8%
	Res Space Heating R-3	859	\$ 168.22	10%	773		\$ 150.07	\$ (18.15)	-10.8%	\$ 147.21	\$ (21.01)	-12.5%
	Res Assist Spc Htg R-4	934	\$ 129.58	25%	701		\$ 99.44	\$ (30.14)	-23.3%	\$ 99.51	\$ (30.07)	-23.2%
	Res Controlled Wtr Htg R-5	187	\$ 35.08	10%	168		\$ 31.01	\$ (4.07)	-11.6%	\$ 30.39	\$ (4.69)	-13.4%
	Res TOU R-6	1,049	\$ 211.65	10%	944		\$ 188.37	\$ (23.28)	-11.0%	\$ 184.88	\$ (26.77)	-12.6%
Small Comm.	General G-1 Annual, Average LF	2,396	\$ 453.60	10%	2,156	7	\$ 410.36	\$ (43.24)	-9.5%	\$ 419.27	\$ (34.33)	-7.6%
	General G-1 Annual, High LF	2,396	\$ 453.60	10%	2,156	5	\$ 410.36	\$ (43.24)	-9.5%	\$ 419.27	\$ (34.33)	-7.6%
	General G-1 Annual, Low LF	2,396	\$ 458.46	10%	2,156	10	\$ 410.36	\$ (48.10)	-10.5%	\$ 419.27	\$ (39.19)	-8.5%
	General G-1 Seasonal Winter	539	\$ 129.21	10%	485	3	\$ 116.62	\$ (12.59)	-9.7%	\$ 118.63	\$ (10.58)	-8.2%
	General G-1 Seasonal Summer	1,605	\$ 373.83	10%	1,445	8	\$ 336.52	\$ (37.31)	-10.0%	\$ 342.49	\$ (31.34)	-8.4%
	General Power G-4, Average LF	6,844	\$ 1,188.46	10%	6,160	38	\$ 1,068.47	\$ (119.99)	-10.1%	\$ 1,093.91	\$ (94.55)	-8.0%
	General Power G-4, High LF	6,844	\$ 1,138.80	10%	6,160	26	\$ 1,022.63	\$ (116.17)	-10.2%	\$ 1,048.07	\$ (90.73)	-8.0%
	General Power G-4, Low LF	6,844	\$ 1,314.52	10%	6,160	68	\$ 1,183.07	\$ (131.45)	-10.0%	\$ 1,208.51	\$ (106.01)	-8.1%
	Comm Space Heating G-5	1,563	\$ 291.87	10%	1,407		\$ 262.70	\$ (29.17)	-10.0%	\$ 268.51	\$ (23.36)	-8.0%
	All Electric School G-6	88,287	\$ 14,163.64	10%	79,458		\$ 12,717.37	\$ (1,446.27)	-10.2%	\$ 13,045.53	\$ (1,118.11)	-7.9%
	General TOU G-7 Annual, Average LF	4,742	\$ 827.83	10%	4,268	13	\$ 748.03	\$ (79.80)	-9.6%	\$ 765.66	\$ (62.17)	-7.5%
	General TOU G-7 Annual, High LF	4,742	\$ 789.87	10%	4,268	9	\$ 710.07	\$ (79.80)	-10.1%	\$ 727.70	\$ (62.17)	-7.9%
	General TOU G-7 Annual, Low LF	4,742	\$ 922.73	10%	4,268	22	\$ 833.44	\$ (89.29)	-9.7%	\$ 851.07	\$ (71.66)	-7.8%
	General TOU G-7 Seasonal Winter	532	\$ 121.62	10%	479	4	\$ 112.61	\$ (9.01)	-7.4%	\$ 114.59	\$ (7.03)	-5.8%
	General TOU G-7 Seasonal Summer	919	\$ 204.00	10%	827	6	\$ 182.36	\$ (21.64)	-10.6%	\$ 185.77	\$ (18.23)	-8.9%
Lg Comm/Ind	Medium General G-2, Average LF	101,737	\$ 16,730.67	10%	91,563	245	\$ 15,057.56	\$ (1,673.11)	-10.0%	\$ 15,435.72	\$ (1,294.95)	-7.7%
	Medium General G-2, High LF	141,375	\$ 22,296.00	10%	127,238	245	\$ 20,051.85	\$ (2,244.15)	-10.1%	\$ 20,577.35	\$ (1,718.65)	-7.7%
	Medium General G-2, Low LF	61,951	\$ 11,144.55	10%	55,756	245	\$ 10,044.79	\$ (1,099.76)	-9.9%	\$ 10,275.07	\$ (869.48)	-7.8%
	Large General G-3, Average LF	488,724	\$ 77,192.08	10%	439,852	1,157	\$ 69,386.66	\$ (7,805.42)	-10.1%	\$ 71,203.25	\$ (5,988.83)	-7.8%
	Large General G-3, High LF	676,334	\$ 102,458.61	10%	608,701	1,157	\$ 92,057.31	\$ (10,401.30)	-10.2%	\$ 94,571.25	\$ (7,887.36)	-7.7%
	Large General G-3, Low LF	301,114	\$ 51,925.54	10%	271,003	1,157	\$ 46,716.00	\$ (5,209.54)	-10.0%	\$ 47,935.24	\$ (4,090.30)	-7.9%

PARTICIPANT BILL IMPACTS
Cape Light Compact
 October 30, 2015

D.P.U. 15-166
 Exh. Compact-6, Participant Bill Impact Analysis
 H.O.s Leupold and Hale

Class	Rate Class	Pre-Participation		High Participation														
		2015		Savings (Reduced Usage)	Monthly Usage		2016			2018								
		Monthly Usage kWh	Total Bill \$		%	kWh	kW	Total Bill \$	Change from 2015 Bill \$	%	Total Bill \$	Change from 2015 Bill \$	%					
Residential	Res Rate R-1 Annual	584	-	\$	124.53	30%	409	-	\$	87.10	\$	(37.43)	-30.1%	\$	85.59	\$	(38.94)	-31.3%
	Res Rate R-1 Seasonal Winter	141	-	\$	40.50	30%	99	-	\$	29.25	\$	(11.25)	-27.8%	\$	28.88	\$	(11.62)	-28.7%
	Res Rate R-1 Seasonal Summer	401	-	\$	108.30	30%	281	-	\$	76.16	\$	(32.14)	-29.7%	\$	75.12	\$	(33.18)	-30.6%
	Res Assist R-2 Annual	483	-	\$	72.04	25%	362	-	\$	54.80	\$	(17.24)	-23.9%	\$	54.84	\$	(17.20)	-23.9%
	Res Assist R-2 Seasonal Winter	313	-	\$	57.18	25%	235	-	\$	43.66	\$	(13.52)	-23.6%	\$	43.68	\$	(13.50)	-23.6%
	Res Assist R-2 Seasonal Summer	385	-	\$	69.71	25%	289	-	\$	53.07	\$	(16.64)	-23.9%	\$	53.10	\$	(16.61)	-23.8%
	Res Space Heating R-3	859	-	\$	168.22	30%	601	-	\$	118.91	\$	(49.31)	-29.3%	\$	116.68	\$	(51.54)	-30.6%
	Res Assist Spc Htg R-4	934	-	\$	129.58	25%	701	-	\$	99.44	\$	(30.14)	-23.3%	\$	99.51	\$	(30.07)	-23.2%
	Res Controlled Wtr Htg R-5	187	-	\$	35.08	30%	131	-	\$	24.18	\$	(10.90)	-31.1%	\$	23.70	\$	(11.38)	-32.4%
	Res TOU R-6	1,049	-	\$	211.65	30%	734	-	\$	148.10	\$	(63.55)	-30.0%	\$	145.38	\$	(66.27)	-31.3%
Small Comm.	General G-1 Annual, Average LF	2,396	8	\$	453.60	20%	1,917	6	\$	365.49	\$	(88.11)	-19.4%	\$	373.40	\$	(80.20)	-17.7%
	General G-1 Annual, High LF	2,396	6	\$	453.60	20%	1,917	5	\$	365.49	\$	(88.11)	-19.4%	\$	373.40	\$	(80.20)	-17.7%
	General G-1 Annual, Low LF	2,396	11	\$	458.46	20%	1,917	9	\$	365.49	\$	(92.97)	-20.3%	\$	373.40	\$	(85.06)	-18.6%
	General G-1 Seasonal Winter	539	3	\$	129.21	20%	431	2	\$	104.25	\$	(24.96)	-19.3%	\$	106.03	\$	(23.18)	-17.9%
	General G-1 Seasonal Summer	1,605	9	\$	373.83	20%	1,284	7	\$	299.64	\$	(74.19)	-19.8%	\$	304.95	\$	(68.88)	-18.4%
	General Power G-4, Average LF	6,844	42	\$	1,188.46	20%	5,475	34	\$	951.13	\$	(237.33)	-20.0%	\$	973.74	\$	(214.72)	-18.1%
	General Power G-4, High LF	6,844	29	\$	1,138.80	20%	5,475	23	\$	909.11	\$	(229.69)	-20.2%	\$	931.72	\$	(207.08)	-18.2%
	General Power G-4, Low LF	6,844	75	\$	1,314.52	20%	5,475	60	\$	1,050.45	\$	(264.07)	-20.1%	\$	1,073.06	\$	(241.46)	-18.4%
	Comm Space Heating G-5	1,563	-	\$	291.87	20%	1,250	-	\$	233.99	\$	(57.88)	-19.8%	\$	239.15	\$	(52.72)	-18.1%
	All Electric School G-6	88,287	-	\$	14,163.64	20%	70,630	-	\$	11,307.45	\$	(2,856.19)	-20.2%	\$	11,599.15	\$	(2,564.49)	-18.1%
	General TOU G-7 Annual, Average LF	4,742	14	\$	827.83	20%	3,794	11	\$	660.69	\$	(167.14)	-20.2%	\$	676.36	\$	(151.47)	-18.3%
	General TOU G-7 Annual, High LF	4,742	10	\$	789.87	20%	3,794	8	\$	632.22	\$	(157.65)	-20.0%	\$	647.89	\$	(141.98)	-18.0%
	General TOU G-7 Annual, Low LF	4,742	24	\$	922.73	20%	3,794	19	\$	736.61	\$	(186.12)	-20.2%	\$	752.28	\$	(170.45)	-18.5%
	General TOU G-7 Seasonal Winter	532	4	\$	121.62	20%	426	3	\$	97.82	\$	(23.80)	-19.6%	\$	99.58	\$	(22.04)	-18.1%
	General TOU G-7 Seasonal Summer	919	7	\$	204.00	20%	735	6	\$	167.08	\$	(36.92)	-18.1%	\$	170.12	\$	(33.88)	-16.6%
Lg Comm/Ind	Medium General G-2, Average LF	101,737	272	\$	16,730.67	20%	81,390	218	\$	13,426.31	\$	(3,304.36)	-19.8%	\$	13,762.45	\$	(2,968.22)	-17.7%
	Medium General G-2, High LF	141,375	272	\$	22,296.00	20%	113,100	218	\$	17,865.53	\$	(4,430.47)	-19.9%	\$	18,332.63	\$	(3,963.37)	-17.8%
	Medium General G-2, Low LF	61,951	272	\$	11,144.55	20%	49,561	218	\$	8,970.44	\$	(2,174.11)	-19.5%	\$	9,175.13	\$	(1,969.42)	-17.7%
	Large General G-3, Average LF	488,724	1,285	\$	77,192.08	20%	390,979	1,028	\$	61,773.33	\$	(15,418.75)	-20.0%	\$	63,388.08	\$	(13,804.00)	-17.9%
	Large General G-3, High LF	676,334	1,285	\$	102,458.61	20%	541,067	1,028	\$	81,925.03	\$	(20,533.58)	-20.0%	\$	84,159.63	\$	(18,298.98)	-17.9%
	Large General G-3, Low LF	301,114	1,285	\$	51,925.54	20%	240,891	1,028	\$	41,621.64	\$	(10,303.90)	-19.8%	\$	42,616.52	\$	(9,309.02)	-17.9%

**CAPE LIGHT COMPACT
 TYPICAL BILL COMPARISONS
 September 2015 Delivery Rates. July-December 2015 Supply Rates.**

Rate Class Information					Total Bill Comparison		Total Bill Comparison		Total Bill Comparison		Total Bill Comparison	
Class	Rate	Load Fact	Avg Kw	Avg Kwh	2015 vs. 2016		2016 vs. 2017		2017 vs. 2018		2015 vs. 2018	
					Amount	%	Amount	%	Amount	%	Amount	%
Residential	Res Rate R-1 Annual			584	(1.76)	-1.41%	(1.97)	-1.60%	(0.19)	-0.16%	(3.92)	-3.15%
	Res Rate R-1 Seasonal Winter			141	(0.42)	-1.04%	(0.48)	-1.20%	(0.04)	-0.10%	(0.94)	-2.32%
	Res Rate R-1 Seasonal Summer			401	(1.21)	-1.12%	(1.35)	-1.26%	(0.13)	-0.12%	(2.69)	-2.48%
	Res Assist R-2 Annual			483	0.12	0.17%	(0.01)	-0.01%	0.06	0.08%	0.17	0.24%
	Res Assist R-2 Seasonal Winter			313	0.07	0.12%	(0.01)	-0.02%	0.04	0.07%	0.10	0.17%
	Res Assist R-2 Seasonal Summer			385	0.09	0.13%	(0.01)	-0.01%	0.04	0.06%	0.12	0.17%
	Res Space Heating R-3			859	(2.58)	-1.53%	(2.90)	-1.75%	(0.28)	-0.17%	(5.76)	-3.42%
	Res Assist Spc Htg R-4			934	0.24	0.19%	(0.04)	-0.03%	0.13	0.10%	0.33	0.25%
	Res Controlled Wtr Htg R-5			187	(0.56)	-1.60%	(0.63)	-1.83%	(0.06)	-0.18%	(1.25)	-3.56%
	Res TOU R-6 (2% bill impact threshold not applicable)			1,049	(3.15)	-1.49%	(3.55)	-1.70%	(0.33)	-0.16%	(7.03)	-3.32%
Small Comm.	General G-1 Annual	0.408	8	2,396	(1.05)	-0.23%	6.44	1.42%	3.52	0.77%	8.91	1.96%
	General G-1 Annual	0.508	6	2,396	(1.05)	-0.23%	6.44	1.42%	3.52	0.77%	8.91	1.96%
	General G-1 Annual	0.308	11	2,396	(1.05)	-0.23%	6.44	1.41%	3.52	0.76%	8.91	1.94%
	General G-1 Seasonal Winter	0.248	3	539	(0.23)	-0.18%	1.45	1.12%	0.79	0.61%	2.01	1.56%
	General G-1 Seasonal Summer	0.248	9	1,605	(0.70)	-0.19%	4.31	1.16%	2.36	0.63%	5.97	1.60%
	General Power G-4	0.225	42	6,844	(3.01)	-0.25%	18.41	1.55%	10.06	0.84%	25.46	2.14%
	General Power G-4	0.325	29	6,844	(3.01)	-0.26%	18.41	1.62%	10.06	0.87%	25.46	2.24%
	General Power G-4	0.125	75	6,844	(3.01)	-0.23%	18.41	1.40%	10.06	0.76%	25.46	1.94%
	Comm Space Heating G-5			1,563	(0.69)	-0.24%	4.21	1.45%	2.29	0.78%	5.81	1.99%
	All Electric School G-6			88,287	(38.84)	-0.27%	237.49	1.68%	129.78	0.90%	328.43	2.32%
	General TOU G-7 Annual	0.466	14	4,742	(2.08)	-0.25%	12.75	1.54%	6.97	0.83%	17.64	2.13%
	General TOU G-7 Annual	0.666	10	4,742	(2.08)	-0.26%	12.75	1.62%	6.97	0.87%	17.64	2.23%
	General TOU G-7 Annual	0.266	24	4,742	(2.08)	-0.23%	12.75	1.38%	6.97	0.75%	17.64	1.91%
	General TOU G-7 Seasonal Winter	0.172	4	532	(0.23)	-0.19%	1.43	1.18%	0.78	0.64%	1.98	1.63%
General TOU G-7 Seasonal Summer	0.172	7	919	(0.41)	-0.20%	2.47	1.21%	1.36	0.66%	3.42	1.68%	
Lg Comm/Ind	Medium General G-2	0.512	272	101,737	(44.77)	-0.27%	273.68	1.64%	149.55	0.88%	378.46	2.26%
	Medium General G-2	0.712	272	141,375	(62.20)	-0.28%	380.30	1.71%	207.82	0.92%	525.92	2.36%
	Medium General G-2	0.312	272	61,951	(27.25)	-0.24%	166.64	1.50%	91.07	0.81%	230.46	2.07%
	Large General G-3	0.521	1,285	488,724	(215.04)	-0.28%	1,314.67	1.71%	718.43	0.92%	1,818.06	2.36%
	Large General G-3	0.721	1,285	676,334	(297.59)	-0.29%	1,819.34	1.78%	994.21	0.96%	2,515.96	2.46%
	Large General G-3	0.321	1,285	301,114	(132.49)	-0.26%	810.00	1.56%	442.63	0.84%	1,120.14	2.16%

The 2015 low-income and C&I EES rates are effective January 1, 2015 through December 31, 2015, and were approved by the Department on December 29, 2014. See D.P.U. 14-143. The 2015 residential EES rates are effective September 1, 2015 through December 31, 2015, and were approved by the Department on May 29, 2015. See D.P.U. 15-38.
 The 2016 EES rates are proposed for effect January 1, 2016 through December 31, 2016.
 The 2017 EES rates are estimated for effect January 1, 2017 through December 31, 2017.
 The 2018 EES rates are estimated for effect January 1, 2018 through December 31, 2018.
 All rates include the most up to date information as of the date of filing. Refer to the Cape Light Compact's 2016-2018 Three-Year Plan for information supporting the budgets, revenue sources, and sales.
 The bill analysis for the 2015 EES rates compared to the 2018 EES rates is provided consistent with D.P.U. 08-50-D.

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL RATE R-1

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		160	\$36.83	\$16.26	\$20.57	\$36.35	\$16.26	\$20.09	(\$0.48)	-1.3%
20		230	\$51.31	\$23.37	\$27.94	\$50.62	\$23.37	\$27.25	(0.69)	-1.3%
30		306	\$67.03	\$31.09	\$35.94	\$66.11	\$31.09	\$35.02	(0.92)	-1.4%
40		382	\$82.75	\$38.81	\$43.94	\$81.60	\$38.81	\$42.79	(1.15)	-1.4%
50		464	\$99.71	\$47.14	\$52.57	\$98.31	\$47.14	\$51.17	(1.40)	-1.4%
60		555	\$118.53	\$56.39	\$62.14	\$116.87	\$56.39	\$60.48	(1.66)	-1.4%
70		660	\$140.26	\$67.06	\$73.20	\$138.28	\$67.06	\$71.22	(1.98)	-1.4%
80		793	\$167.76	\$80.57	\$87.19	\$165.38	\$80.57	\$84.81	(2.38)	-1.4%
90		997	\$209.96	\$101.30	\$108.66	\$206.97	\$101.30	\$105.67	(2.99)	-1.4%
AVG.USE		584	\$124.53	\$59.33	\$65.20	\$122.77	\$59.33	\$63.44	(1.76)	-1.4%

2015 In Effect

RESIDENTIAL RATE R-1 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.936	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2016 Planned

RESIDENTIAL RATE R-1 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.636	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SEASONAL RATE R-1

CUM % BILLS	KW	WINTER KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		14	\$7.38	\$1.42	\$5.96	\$7.34	\$1.42	\$5.92	(\$0.04)	-0.5%
20		23	\$9.73	\$2.34	\$7.39	\$9.66	\$2.34	\$7.32	(0.07)	-0.7%
30		34	\$12.59	\$3.45	\$9.14	\$12.49	\$3.45	\$9.04	(0.10)	-0.8%
40		46	\$15.72	\$4.67	\$11.05	\$15.58	\$4.67	\$10.91	(0.14)	-0.9%
50		65	\$20.68	\$6.60	\$14.08	\$20.48	\$6.60	\$13.88	(0.20)	-1.0%
60		90	\$27.20	\$9.14	\$18.06	\$26.93	\$9.14	\$17.79	(0.27)	-1.0%
70		125	\$36.33	\$12.70	\$23.63	\$35.95	\$12.70	\$23.25	(0.38)	-1.0%
80		179	\$50.41	\$18.19	\$32.22	\$49.87	\$18.19	\$31.68	(0.54)	-1.1%
90		287	\$78.57	\$29.16	\$49.41	\$77.71	\$29.16	\$48.55	(0.86)	-1.1%
AVG.USE		141	\$40.50	\$14.33	\$26.17	\$40.08	\$14.33	\$25.75	(0.42)	-1.0%

2015 In Effect

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.936	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2016 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.636	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SEASONAL RATE R-1

CUM % BILLS	KW	SUMMER KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		80	\$24.59	\$8.13	\$16.46	\$24.35	\$8.13	\$16.22	(\$0.24)	-1.0%
20		123	\$35.81	\$12.50	\$23.31	\$35.44	\$12.50	\$22.94	(0.37)	-1.0%
30		163	\$46.23	\$16.56	\$29.67	\$45.75	\$16.56	\$29.19	(0.48)	-1.0%
40		208	\$57.97	\$21.13	\$36.84	\$57.34	\$21.13	\$36.21	(0.63)	-1.1%
50		261	\$71.79	\$26.52	\$45.27	\$71.01	\$26.52	\$44.49	(0.78)	-1.1%
60		328	\$89.26	\$33.32	\$55.94	\$88.27	\$33.32	\$54.95	(0.99)	-1.1%
70		417	\$112.47	\$42.37	\$70.10	\$111.22	\$42.37	\$68.85	(1.25)	-1.1%
80		543	\$145.33	\$55.17	\$90.16	\$143.70	\$55.17	\$88.53	(1.63)	-1.1%
90		739	\$196.44	\$75.08	\$121.36	\$194.22	\$75.08	\$119.14	(2.22)	-1.1%
AVG.USE		401	\$108.30	\$40.74	\$67.56	\$107.09	\$40.74	\$66.35	(1.21)	-1.1%

2015 In Effect

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.936	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2016 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.636	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE RATE R-2 (R1)

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		146	\$23.80	\$11.50	\$12.30	\$23.83	\$11.50	\$12.33	\$0.03	0.1%
20		194	\$30.67	\$15.28	\$15.39	\$30.72	\$15.28	\$15.44	0.05	0.2%
30		243	\$37.67	\$19.13	\$18.54	\$37.73	\$19.13	\$18.60	0.06	0.2%
40		293	\$44.84	\$23.07	\$21.77	\$44.91	\$23.07	\$21.84	0.07	0.2%
50		350	\$53.00	\$27.56	\$25.44	\$53.08	\$27.56	\$25.52	0.08	0.2%
60		416	\$62.45	\$32.76	\$29.69	\$62.55	\$32.76	\$29.79	0.10	0.2%
70		497	\$74.04	\$39.13	\$34.91	\$74.16	\$39.13	\$35.03	0.12	0.2%
80		608	\$89.93	\$47.87	\$42.06	\$90.08	\$47.87	\$42.21	0.15	0.2%
90		785	\$115.27	\$61.81	\$53.46	\$115.46	\$61.81	\$53.65	0.19	0.2%
AVG.USE		483	\$72.03	\$38.03	\$34.00	\$72.15	\$38.03	\$34.12	0.12	0.2%

2015 In Effect

RESIDENTIAL ASSISTANCE RATE R-2 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.723	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 22.5%

2016 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.755	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 22.5%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE SEASONAL RATE R-2 (R1S)

CUM % BILLS	KW	WINTER KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		17	\$5.68	\$1.26	\$4.42	\$5.68	\$1.26	\$4.42	\$0.00	0.0%
20		42	\$10.03	\$3.11	\$6.92	\$10.04	\$3.11	\$6.93	0.01	0.1%
30		91	\$18.55	\$6.74	\$11.81	\$18.57	\$6.74	\$11.83	0.02	0.1%
40		155	\$29.69	\$11.48	\$18.21	\$29.72	\$11.48	\$18.24	0.03	0.1%
50		171	\$32.48	\$12.67	\$19.81	\$32.52	\$12.67	\$19.85	0.04	0.1%
60		267	\$49.18	\$19.78	\$29.40	\$49.24	\$19.78	\$29.46	0.06	0.1%
70		344	\$62.57	\$25.48	\$37.09	\$62.65	\$25.48	\$37.17	0.08	0.1%
80		395	\$71.45	\$29.26	\$42.19	\$71.54	\$29.26	\$42.28	0.09	0.1%
90		624	\$111.29	\$46.22	\$65.07	\$111.44	\$46.22	\$65.22	0.15	0.1%
AVG.USE		313	\$57.18	\$23.18	\$34.00	\$57.25	\$23.18	\$34.07	0.07	0.1%

2015 In Effect

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.723	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

2016 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.755	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE SEASONAL RATE R-2 (R1S)

CUM % BILLS	KW	SUMMER KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		122	\$23.95	\$9.04	\$14.91	\$23.98	\$9.04	\$14.94	\$0.03	0.1%
20		172	\$32.65	\$12.74	\$19.91	\$32.69	\$12.74	\$19.95	0.04	0.1%
30		273	\$50.22	\$20.22	\$30.00	\$50.28	\$20.22	\$30.06	0.06	0.1%
40		298	\$54.57	\$22.07	\$32.50	\$54.64	\$22.07	\$32.57	0.07	0.1%
50		342	\$62.22	\$25.33	\$36.89	\$62.30	\$25.33	\$36.97	0.08	0.1%
60		326	\$59.44	\$24.15	\$35.29	\$59.52	\$24.15	\$35.37	0.08	0.1%
70		390	\$70.58	\$28.89	\$41.69	\$70.67	\$28.89	\$41.78	0.09	0.1%
80		516	\$92.50	\$38.22	\$54.28	\$92.62	\$38.22	\$54.40	0.12	0.1%
90		756	\$134.25	\$55.99	\$78.26	\$134.43	\$55.99	\$78.44	0.18	0.1%
AVG.USE		385	\$69.71	\$28.52	\$41.19	\$69.80	\$28.52	\$41.28	0.09	0.1%

2015 In Effect

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.723	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

2016 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.755	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SPACE HEATING RATE R-3

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		215	\$49.62	\$21.84	\$27.78	\$48.98	\$21.84	\$27.14	(\$0.64)	-1.3%
20		328	\$70.43	\$33.32	\$37.11	\$69.45	\$33.32	\$36.13	(0.98)	-1.4%
30		451	\$93.08	\$45.82	\$47.26	\$91.73	\$45.82	\$45.91	(1.35)	-1.5%
40		568	\$114.63	\$57.71	\$56.92	\$112.93	\$57.71	\$55.22	(1.70)	-1.5%
50		690	\$137.10	\$70.10	\$67.00	\$135.03	\$70.10	\$64.93	(2.07)	-1.5%
60		824	\$161.78	\$83.72	\$78.06	\$159.31	\$83.72	\$75.59	(2.47)	-1.5%
70		982	\$190.87	\$99.77	\$91.10	\$187.93	\$99.77	\$88.16	(2.94)	-1.5%
80		1,184	\$228.07	\$120.29	\$107.78	\$224.52	\$120.29	\$104.23	(3.55)	-1.6%
90		1,489	\$284.24	\$151.28	\$132.96	\$279.77	\$151.28	\$128.49	(4.47)	-1.6%
AVG.USE		859	\$168.22	\$87.27	\$80.95	\$165.64	\$87.27	\$78.37	(2.58)	-1.5%

2015 In Effect

RES SPACE HEATING RATE R-3

DELIVERY SERVICES:

		\$10.03	PER BILL
CUSTOMER		3.077	CENTS/KWH
DISTRIBUTION (ENERGY)	ALL KWH @	0.315	" "
TRANSITION	" "	1.851	" "
TRANSMISSION (ENERGY)	" "	0.000	" "
TRANS RATE ADJ	" "	2.749	" "
DISTRIBUTION ADJ	" "	-0.036	" "
DEFAULT SERV ADJ	" "	0.250	" "
DEMAND-SIDE MGT	" "	0.050	" "
RENEWABLE ENERGY	" "		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "

2016 Planned

RES SPACE HEATING RATE R-3

DELIVERY SERVICES:

		\$10.03	PER BILL
CUSTOMER		3.077	CENTS/KWH
DISTRIBUTION (ENERGY)	ALL KWH @	0.315	" "
TRANSITION	" "	1.851	" "
TRANSMISSION (ENERGY)	" "	0.000	" "
TRANS RATE ADJ	" "	2.449	" "
DISTRIBUTION ADJ	" "	-0.036	" "
DEFAULT SERV ADJ	" "	0.250	" "
DEMAND-SIDE MGT	" "	0.050	" "
RENEWABLE ENERGY	" "		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RES ASSISTANCE SPACE HEATING RATE R-4 (R3)

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		349	\$53.46	\$28.47	\$24.99	\$53.55	\$28.47	\$25.08	\$0.09	0.2%
20		455	\$67.25	\$37.12	\$30.13	\$67.37	\$37.12	\$30.25	0.12	0.2%
30		551	\$79.74	\$44.95	\$34.79	\$79.88	\$44.95	\$34.93	0.14	0.2%
40		639	\$91.19	\$52.13	\$39.06	\$91.36	\$52.13	\$39.23	0.17	0.2%
50		752	\$105.90	\$61.35	\$44.55	\$106.09	\$61.35	\$44.74	0.19	0.2%
60		877	\$122.16	\$71.55	\$50.61	\$122.39	\$71.55	\$50.84	0.23	0.2%
70		1,036	\$142.85	\$84.52	\$58.33	\$143.11	\$84.52	\$58.59	0.26	0.2%
80		1,234	\$168.61	\$100.68	\$67.93	\$168.93	\$100.68	\$68.25	0.32	0.2%
90		1,523	\$206.21	\$124.25	\$81.96	\$206.60	\$124.25	\$82.35	0.39	0.2%
AVG.USE		934	\$129.58	\$76.20	\$53.38	\$129.82	\$76.20	\$53.62	0.24	0.2%

2015 In Effect

RES ASSISTANCE SPACE HEATING RATE R-4

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.536	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "
LOW INCOME DISCOUNT		19.7%	

2016 Planned

RES ASSISTANCE SPACE HEATING RATE R-4

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.568	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "
LOW INCOME DISCOUNT		19.7%	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 CONTROLLED WATER HEATING RATE R-5

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		43	\$8.07	\$4.37	\$3.70	\$7.94	\$4.37	\$3.57	(\$0.13)	-1.6%
20		69	\$12.94	\$7.01	\$5.93	\$12.74	\$7.01	\$5.73	(0.20)	-1.5%
30		93	\$17.45	\$9.45	\$8.00	\$17.17	\$9.45	\$7.72	(0.28)	-1.6%
40		118	\$22.14	\$11.99	\$10.15	\$21.78	\$11.99	\$9.79	(0.36)	-1.6%
50		147	\$27.58	\$14.94	\$12.64	\$27.14	\$14.94	\$12.20	(0.44)	-1.6%
60		178	\$33.39	\$18.08	\$15.31	\$32.85	\$18.08	\$14.77	(0.54)	-1.6%
70		214	\$40.14	\$21.74	\$18.40	\$39.50	\$21.74	\$17.76	(0.64)	-1.6%
80		261	\$48.96	\$26.52	\$22.44	\$48.18	\$26.52	\$21.66	(0.78)	-1.6%
90		331	\$62.09	\$33.63	\$28.46	\$61.10	\$33.63	\$27.47	(0.99)	-1.6%
AVG.USE		187	\$35.08	\$19.00	\$16.08	\$34.52	\$19.00	\$15.52	(0.56)	-1.6%

2015 In Effect

CONT WATER HEATING RATE R-5

DELIVERY SERVICES:

CUSTOMER		\$0.00	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.227	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.872	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.936	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

2016 Planned

CONT WATER HEATING RATE R-5

DELIVERY SERVICES:

CUSTOMER		\$0.00	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.227	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.872	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.636	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL TOU RATE R-6

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		296	\$64.98	\$30.07	\$34.91	\$64.09	\$30.07	\$34.02	(\$0.89)	-1.4%
20		405	\$86.22	\$41.15	\$45.07	\$85.00	\$41.15	\$43.85	(1.22)	-1.4%
30		493	\$103.36	\$50.09	\$53.27	\$101.88	\$50.09	\$51.79	(1.48)	-1.4%
40		566	\$117.58	\$57.51	\$60.07	\$115.88	\$57.51	\$58.37	(1.70)	-1.4%
50		653	\$134.52	\$66.34	\$68.18	\$132.56	\$66.34	\$66.22	(1.96)	-1.5%
60		813	\$165.69	\$82.60	\$83.09	\$163.25	\$82.60	\$80.65	(2.44)	-1.5%
70		974	\$197.05	\$98.96	\$98.09	\$194.13	\$98.96	\$95.17	(2.92)	-1.5%
80		1,295	\$259.57	\$131.57	\$128.00	\$255.68	\$131.57	\$124.11	(3.89)	-1.5%
90		2,096	\$415.59	\$212.95	\$202.64	\$409.30	\$212.95	\$196.35	(6.29)	-1.5%
AVG.USE		1,049	\$211.66	\$106.58	\$105.08	\$208.51	\$106.58	\$101.93	(3.15)	-1.5%

2015 In Effect

RESIDENTIAL TOU RATE R-6

DELIVERY SERVICES:

CUSTOMER	\$7.33		PER BILL
	PEAK	OFF-PEAK	
	20.58%	79.42%	
DISTRIBUTION (ENERGY)	14.645	1.198	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	1.851	1.851	" "
TRANS RATE ADJ	0.002	0.002	" "
DISTRIBUTION ADJ	2.936	2.936	" "
DEFAULT SERV ADJ	-0.051	-0.051	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.160	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2016 Planned

RESIDENTIAL TOU RATE R-6

DELIVERY SERVICES:

CUSTOMER	\$7.33		PER BILL
	PEAK	OFF-PEAK	
	20.58%	79.42%	
DISTRIBUTION (ENERGY)	14.645	1.198	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	1.851	1.851	" "
TRANS RATE ADJ	0.002	0.002	" "
DISTRIBUTION ADJ	2.636	2.636	" "
DEFAULT SERV ADJ	-0.051	-0.051	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.160	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	AVERAGE 0.408		TOTAL	2015 In Effect		TOTAL	2016 Planned		DIFFERENCE	
	MONTHLY KW	MONTHLY KWH		SUPPLIER	DELIVERY		SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$7.97	\$1.37	\$6.60	\$0.00	0.0%
20	0	82	\$20.88	\$8.62	\$12.26	\$20.84	\$8.62	\$12.22	(0.04)	-0.2%
30	1	186	\$40.46	\$19.62	\$20.84	\$40.38	\$19.62	\$20.76	(0.08)	-0.2%
40	1	335	\$68.65	\$35.45	\$33.20	\$68.50	\$35.45	\$33.05	(0.15)	-0.2%
50	2	525	\$104.34	\$55.49	\$48.85	\$104.11	\$55.49	\$48.62	(0.23)	-0.2%
60	3	826	\$160.94	\$87.28	\$73.66	\$160.58	\$87.28	\$73.30	(0.36)	-0.2%
70	4	1,275	\$245.40	\$134.71	\$110.69	\$244.84	\$134.71	\$110.13	(0.56)	-0.2%
80	8	2,351	\$446.51	\$248.49	\$198.02	\$445.47	\$248.49	\$196.98	(1.04)	-0.2%
90	17	4,950	\$893.50	\$523.13	\$370.37	\$891.32	\$523.13	\$368.19	(2.18)	-0.2%
AVG.USE	8	2,396	\$453.60	\$253.21	\$200.39	\$452.55	\$253.21	\$199.34	(1.05)	-0.2%

2015 In Effect

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.472	1.472		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2016 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.428	1.428		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	HIGH 0.508 MONTHLY KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$7.97	\$1.37	\$6.60	\$0.00	0.0%
20	0	82	\$20.88	\$8.62	\$12.26	\$20.84	\$8.62	\$12.22	(0.04)	-0.2%
30	1	186	\$40.46	\$19.62	\$20.84	\$40.38	\$19.62	\$20.76	(0.08)	-0.2%
40	1	335	\$68.65	\$35.45	\$33.20	\$68.50	\$35.45	\$33.05	(0.15)	-0.2%
50	1	525	\$104.34	\$55.49	\$48.85	\$104.11	\$55.49	\$48.62	(0.23)	-0.2%
60	2	826	\$160.94	\$87.28	\$73.66	\$160.58	\$87.28	\$73.30	(0.36)	-0.2%
70	3	1,275	\$245.40	\$134.71	\$110.69	\$244.84	\$134.71	\$110.13	(0.56)	-0.2%
80	6	2,351	\$446.51	\$248.49	\$198.02	\$445.47	\$248.49	\$196.98	(1.04)	-0.2%
90	13	4,950	\$874.06	\$523.13	\$350.93	\$871.88	\$523.13	\$348.75	(2.18)	-0.2%
AVG.USE	6	2,396	\$453.60	\$253.21	\$200.39	\$452.55	\$253.21	\$199.34	(1.05)	-0.2%

2015 In Effect

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.472	1.472		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2016 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.428	1.428		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	LOW 0.308 MONTHLY KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$7.97	\$1.37	\$6.60	\$0.00	0.0%
20	0	82	\$20.88	\$8.62	\$12.26	\$20.84	\$8.62	\$12.22	(0.04)	-0.2%
30	1	186	\$40.46	\$19.62	\$20.84	\$40.38	\$19.62	\$20.76	(0.08)	-0.2%
40	1	335	\$68.65	\$35.45	\$33.20	\$68.50	\$35.45	\$33.05	(0.15)	-0.2%
50	2	525	\$104.34	\$55.49	\$48.85	\$104.11	\$55.49	\$48.62	(0.23)	-0.2%
60	4	826	\$160.94	\$87.28	\$73.66	\$160.58	\$87.28	\$73.30	(0.36)	-0.2%
70	6	1,275	\$245.40	\$134.71	\$110.69	\$244.84	\$134.71	\$110.13	(0.56)	-0.2%
80	10	2,351	\$446.51	\$248.49	\$198.02	\$445.47	\$248.49	\$196.98	(1.04)	-0.2%
90	22	4,950	\$917.80	\$523.13	\$394.67	\$915.62	\$523.13	\$392.49	(2.18)	-0.2%
AVG.USE	11	2,396	\$458.46	\$253.21	\$205.25	\$457.41	\$253.21	\$204.20	(1.05)	-0.2%

2015 In Effect

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>	
DISTRIBUTION (DEMAND)	\$0.00	\$4.86	PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00	
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>	
DISTRIBUTION (ENERGY)	4.132	1.205	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	2.060	2.060	" "
TRANS RATE ADJ	0.003	0.003	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2016 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>	
DISTRIBUTION (DEMAND)	\$0.00	\$4.86	PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00	
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>	
DISTRIBUTION (ENERGY)	4.132	1.205	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	2.060	2.060	" "
TRANS RATE ADJ	0.003	0.003	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.248 WINTER KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2016 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH							AMOUNT	%	
10	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	\$0.00	0.0%
20	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
30	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
40	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
50	0	7	\$7.14	\$0.74	\$6.40	\$7.13	\$0.74	\$6.39	(0.01)	-0.1%
60	0	47	\$16.32	\$4.97	\$11.35	\$16.30	\$4.97	\$11.33	(0.02)	-0.1%
70	1	140	\$37.66	\$14.80	\$22.86	\$37.60	\$14.80	\$22.80	(0.06)	-0.2%
80	2	377	\$92.04	\$39.84	\$52.20	\$91.87	\$39.84	\$52.03	(0.17)	-0.2%
90	6	1,009	\$237.06	\$106.63	\$130.43	\$236.62	\$106.63	\$129.99	(0.44)	-0.2%
AVG.USE	3	539	\$129.21	\$56.96	\$72.25	\$128.98	\$56.96	\$72.02	(0.23)	-0.2%

2015 In Effect

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.472	1.472		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2016 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.428	1.428		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.248 SUMMER KW		TOTAL	2015 In Effect SUPPLIER		DELIVERY	TOTAL	2016 Planned SUPPLIER		DELIVERY	DIFFERENCE	
	KWH								AMOUNT		%	
10	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	\$0.00	0.0%		
20	0	24	\$11.04	\$2.54	\$8.50	\$11.03	\$2.54	\$8.49	(0.01)	-0.1%		
30	1	102	\$28.94	\$10.78	\$18.16	\$28.89	\$10.78	\$18.11	(0.05)	-0.2%		
40	1	238	\$60.14	\$25.15	\$34.99	\$60.04	\$25.15	\$34.89	(0.10)	-0.2%		
50	2	446	\$107.87	\$47.13	\$60.74	\$107.67	\$47.13	\$60.54	(0.20)	-0.2%		
60	4	755	\$178.78	\$79.79	\$98.99	\$178.45	\$79.79	\$98.66	(0.33)	-0.2%		
70	7	1,256	\$293.74	\$132.73	\$161.01	\$293.19	\$132.73	\$160.46	(0.55)	-0.2%		
80	13	2,265	\$514.10	\$239.37	\$274.73	\$513.11	\$239.37	\$273.74	(0.99)	-0.2%		
90	28	5,062	\$1,075.55	\$534.95	\$540.60	\$1,073.32	\$534.95	\$538.37	(2.23)	-0.2%		
AVG.USE	9	1,605	\$373.83	\$169.62	\$204.21	\$373.13	\$169.62	\$203.51	(0.70)	-0.2%		

2015 In Effect

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.472	1.472		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2016 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.428	1.428		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	AVERAGE 0.512 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	37,403	\$6,378.67	\$3,952.75	\$2,425.92	\$6,362.21	\$3,952.75	\$2,409.46	(\$16.46)	-0.3%
	150	56,105	\$9,388.01	\$5,929.18	\$3,458.83	\$9,363.32	\$5,929.18	\$3,434.14	(24.69)	-0.3%
	200	74,807	\$12,397.34	\$7,905.60	\$4,491.74	\$12,364.42	\$7,905.60	\$4,458.82	(32.92)	-0.3%
	250	93,508	\$15,406.54	\$9,881.93	\$5,524.61	\$15,365.40	\$9,881.93	\$5,483.47	(41.14)	-0.3%
	300	112,210	\$18,415.88	\$11,858.35	\$6,557.53	\$18,366.50	\$11,858.35	\$6,508.15	(49.38)	-0.3%
	350	130,912	\$21,425.22	\$13,834.78	\$7,590.44	\$21,367.61	\$13,834.78	\$7,532.83	(57.61)	-0.3%
	400	149,613	\$24,434.41	\$15,811.10	\$8,623.31	\$24,368.58	\$15,811.10	\$8,557.48	(65.83)	-0.3%
	450	168,315	\$27,443.75	\$17,787.53	\$9,656.22	\$27,369.69	\$17,787.53	\$9,582.16	(74.06)	-0.3%
	500	187,017	\$30,453.09	\$19,763.96	\$10,689.13	\$30,370.81	\$19,763.96	\$10,606.85	(82.28)	-0.3%
AVG.USE	272	101,737	\$16,730.67	\$10,751.57	\$5,979.10	\$16,685.90	\$10,751.57	\$5,934.33	(44.77)	-0.3%

2015 In Effect

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.279	1.279	1.279		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

2016 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.235	1.235	1.235		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	HIGH 0.712 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	51,976	\$8,424.77	\$5,492.82	\$2,931.95	\$8,401.90	\$5,492.82	\$2,909.08	(\$22.87)	-0.3%
	150	77,964	\$12,457.10	\$8,239.24	\$4,217.86	\$12,422.80	\$8,239.24	\$4,183.56	(34.30)	-0.3%
	200	103,952	\$16,489.42	\$10,985.65	\$5,503.77	\$16,443.68	\$10,985.65	\$5,458.03	(45.74)	-0.3%
	250	129,940	\$20,521.74	\$13,732.06	\$6,789.68	\$20,464.57	\$13,732.06	\$6,732.51	(57.17)	-0.3%
	300	155,928	\$24,554.06	\$16,478.47	\$8,075.59	\$24,485.46	\$16,478.47	\$8,006.99	(68.60)	-0.3%
	350	181,916	\$28,586.39	\$19,224.88	\$9,361.51	\$28,506.34	\$19,224.88	\$9,281.46	(80.05)	-0.3%
	400	207,904	\$32,618.71	\$21,971.29	\$10,647.42	\$32,527.23	\$21,971.29	\$10,555.94	(91.48)	-0.3%
	450	233,892	\$36,651.04	\$24,717.71	\$11,933.33	\$36,548.12	\$24,717.71	\$11,830.41	(102.92)	-0.3%
	500	259,880	\$40,683.36	\$27,464.12	\$13,219.24	\$40,569.01	\$27,464.12	\$13,104.89	(114.35)	-0.3%
AVG.USE	272	141,375	\$22,296.00	\$14,940.51	\$7,355.49	\$22,233.80	\$14,940.51	\$7,293.29	(62.20)	-0.3%

2015 In Effect

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.279	1.279	1.279	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

2016 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.235	1.235	1.235	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	LOW 0.312 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	22,776	\$4,324.98	\$2,406.97	\$1,918.01	\$4,314.96	\$2,406.97	\$1,907.99	(\$10.02)	-0.2%
	150	34,164	\$6,307.40	\$3,610.45	\$2,696.95	\$6,292.36	\$3,610.45	\$2,681.91	(15.04)	-0.2%
	200	45,552	\$8,289.82	\$4,813.94	\$3,475.88	\$8,269.78	\$4,813.94	\$3,455.84	(20.04)	-0.2%
	250	56,940	\$10,272.24	\$6,017.42	\$4,254.82	\$10,247.19	\$6,017.42	\$4,229.77	(25.05)	-0.2%
	300	68,328	\$12,254.66	\$7,220.90	\$5,033.76	\$12,224.60	\$7,220.90	\$5,003.70	(30.06)	-0.2%
	350	79,716	\$14,237.09	\$8,424.39	\$5,812.70	\$14,202.01	\$8,424.39	\$5,777.62	(35.08)	-0.2%
	400	91,104	\$16,219.51	\$9,627.87	\$6,591.64	\$16,179.42	\$9,627.87	\$6,551.55	(40.09)	-0.2%
	450	102,492	\$18,201.93	\$10,831.35	\$7,370.58	\$18,156.83	\$10,831.35	\$7,325.48	(45.10)	-0.2%
	500	113,880	\$20,184.35	\$12,034.84	\$8,149.51	\$20,134.25	\$12,034.84	\$8,099.41	(50.10)	-0.2%
AVG.USE	272	61,951	\$11,144.54	\$6,546.98	\$4,597.56	\$11,117.29	\$6,546.98	\$4,570.31	(27.25)	-0.2%

2015 In Effect

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.279	1.279	1.279	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

2016 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.235	1.235	1.235	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	AVERAGE 0.521 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	159,358	\$25,776.52	\$16,840.95	\$8,935.57	\$25,706.40	\$16,840.95	\$8,865.45	(\$70.12)	-0.3%
	490	186,362	\$29,991.97	\$19,694.74	\$10,297.23	\$29,909.97	\$19,694.74	\$10,215.23	(82.00)	-0.3%
	672	255,582	\$40,797.53	\$27,009.91	\$13,787.62	\$40,685.07	\$27,009.91	\$13,675.16	(112.46)	-0.3%
	893	339,635	\$53,918.59	\$35,892.63	\$18,025.96	\$53,769.15	\$35,892.63	\$17,876.52	(149.44)	-0.3%
	902	343,058	\$54,452.93	\$36,254.37	\$18,198.56	\$54,301.99	\$36,254.37	\$18,047.62	(150.94)	-0.3%
	1,024	389,458	\$61,696.19	\$41,157.92	\$20,538.27	\$61,524.83	\$41,157.92	\$20,366.91	(171.36)	-0.3%
	1,143	434,717	\$68,761.33	\$45,940.89	\$22,820.44	\$68,570.06	\$45,940.89	\$22,629.17	(191.27)	-0.3%
	1,673	636,292	\$100,228.12	\$67,243.34	\$32,984.78	\$99,948.16	\$67,243.34	\$32,704.82	(279.96)	-0.3%
	2,293	872,097	\$137,038.36	\$92,163.21	\$44,875.15	\$136,654.64	\$92,163.21	\$44,491.43	(383.72)	-0.3%
AVG.USE	1,285	488,724	\$77,192.07	\$51,648.35	\$25,543.72	\$76,977.03	\$51,648.35	\$25,328.68	(215.04)	-0.3%

2015 In Effect

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.197	1.197	1.197	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2016 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.153	1.153	1.153	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	HIGH 0.721 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	220,532	\$34,015.19	\$23,305.82	\$10,709.37	\$33,918.15	\$23,305.82	\$10,612.33	(\$97.04)	-0.3%
	490	257,902	\$39,626.67	\$27,255.08	\$12,371.59	\$39,513.19	\$27,255.08	\$12,258.11	(113.48)	-0.3%
	672	353,694	\$54,010.84	\$37,378.38	\$16,632.46	\$53,855.22	\$37,378.38	\$16,476.84	(155.62)	-0.3%
	893	470,013	\$71,477.35	\$49,670.97	\$21,806.38	\$71,270.55	\$49,670.97	\$21,599.58	(206.80)	-0.3%
	902	474,750	\$72,188.66	\$50,171.58	\$22,017.08	\$71,979.77	\$50,171.58	\$21,808.19	(208.89)	-0.3%
	1,024	538,962	\$81,830.77	\$56,957.50	\$24,873.27	\$81,593.62	\$56,957.50	\$24,636.12	(237.15)	-0.3%
	1,143	601,595	\$91,235.77	\$63,576.56	\$27,659.21	\$90,971.07	\$63,576.56	\$27,394.51	(264.70)	-0.3%
	1,673	880,550	\$133,123.78	\$93,056.52	\$40,067.26	\$132,736.33	\$93,056.52	\$39,679.81	(387.45)	-0.3%
	2,293	1,206,875	\$182,124.88	\$127,542.55	\$54,582.33	\$181,593.85	\$127,542.55	\$54,051.30	(531.03)	-0.3%
AVG.USE	1,285	676,334	\$102,458.62	\$71,474.98	\$30,983.64	\$102,161.03	\$71,474.98	\$30,686.05	(297.59)	-0.3%

2015 In Effect

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER		\$900.00	PER BILL
DISTRIBUTION (DEMAND)	\$0.88	PER KW	
TRANSMISSION (DEMAND)	\$7.27		
TRANSITION (DEMAND)	\$0.00		

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.197	1.197	1.197	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000	" "

2016 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER		\$900.00	PER BILL
DISTRIBUTION (DEMAND)	\$0.88	PER KW	
TRANSMISSION (DEMAND)	\$7.27		
TRANSITION (DEMAND)	\$0.00		

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.153	1.153	1.153	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	LOW 0.321 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	98,184	\$17,537.87	\$10,376.09	\$7,161.78	\$17,494.67	\$10,376.09	\$7,118.58	(\$43.20)	-0.2%
	490	114,822	\$20,357.25	\$12,134.39	\$8,222.86	\$20,306.73	\$12,134.39	\$8,172.34	(50.52)	-0.2%
	672	157,470	\$27,584.21	\$16,641.43	\$10,942.78	\$27,514.92	\$16,641.43	\$10,873.49	(69.29)	-0.3%
	893	209,257	\$36,359.82	\$22,114.28	\$14,245.54	\$36,267.74	\$22,114.28	\$14,153.46	(92.08)	-0.3%
	902	211,366	\$36,717.20	\$22,337.16	\$14,380.04	\$36,624.20	\$22,337.16	\$14,287.04	(93.00)	-0.3%
	1,024	239,954	\$41,561.61	\$25,358.34	\$16,203.27	\$41,456.03	\$25,358.34	\$16,097.69	(105.58)	-0.3%
	1,143	267,839	\$46,286.90	\$28,305.23	\$17,981.67	\$46,169.05	\$28,305.23	\$17,863.82	(117.85)	-0.3%
	1,673	392,034	\$67,332.46	\$41,430.15	\$25,902.31	\$67,159.97	\$41,430.15	\$25,729.82	(172.49)	-0.3%
	2,293	537,319	\$91,951.85	\$56,783.87	\$35,167.98	\$91,715.43	\$56,783.87	\$34,931.56	(236.42)	-0.3%
AVG.USE	1,285	301,114	\$51,925.54	\$31,821.73	\$20,103.81	\$51,793.05	\$31,821.73	\$19,971.32	(132.49)	-0.3%

2015 In Effect

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.197	1.197	1.197	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2016 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.153	1.153	1.153	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	AVERAGE 0.225 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	11	1,790	\$314.98	\$189.17	\$125.81	\$314.19	\$189.17	\$125.02	(\$0.79)	-0.3%
20	14	2,260	\$396.63	\$238.82	\$157.81	\$395.64	\$238.82	\$156.82	(0.99)	-0.2%
30	22	3,555	\$620.68	\$375.69	\$244.99	\$619.12	\$375.69	\$243.43	(1.56)	-0.3%
40	27	4,443	\$772.42	\$469.51	\$302.91	\$770.46	\$469.51	\$300.95	(1.96)	-0.3%
50	32	5,341	\$925.75	\$564.46	\$361.29	\$923.40	\$564.46	\$358.94	(2.35)	-0.3%
60	46	7,535	\$1,307.04	\$796.34	\$510.70	\$1,303.72	\$796.34	\$507.38	(3.32)	-0.3%
70	57	9,456	\$1,636.05	\$999.35	\$636.70	\$1,631.89	\$999.35	\$632.54	(4.16)	-0.3%
80	77	12,681	\$2,194.26	\$1,340.16	\$854.10	\$2,188.68	\$1,340.16	\$848.52	(5.58)	-0.3%
90	111	18,255	\$3,156.85	\$1,929.19	\$1,227.66	\$3,148.82	\$1,929.19	\$1,219.63	(8.03)	-0.3%
AVG.USE	42	6,844	\$1,188.46	\$723.27	\$465.19	\$1,185.45	\$723.27	\$462.18	(3.01)	-0.3%

2015 In Effect

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2016 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	HIGH 0.325 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	8	1,790	\$303.52	\$189.17	\$114.35	\$302.73	\$189.17	\$113.56	(\$0.79)	-0.3%
20	10	2,260	\$381.35	\$238.82	\$142.53	\$380.36	\$238.82	\$141.54	(0.99)	-0.3%
30	15	3,555	\$593.94	\$375.69	\$218.25	\$592.38	\$375.69	\$216.69	(1.56)	-0.3%
40	19	4,443	\$741.86	\$469.51	\$272.35	\$739.90	\$469.51	\$270.39	(1.96)	-0.3%
50	23	5,341	\$891.37	\$564.46	\$326.91	\$889.02	\$564.46	\$324.56	(2.35)	-0.3%
60	32	7,535	\$1,253.56	\$796.34	\$457.22	\$1,250.24	\$796.34	\$453.90	(3.32)	-0.3%
70	40	9,456	\$1,571.11	\$999.35	\$571.76	\$1,566.95	\$999.35	\$567.60	(4.16)	-0.3%
80	53	12,681	\$2,102.58	\$1,340.16	\$762.42	\$2,097.00	\$1,340.16	\$756.84	(5.58)	-0.3%
90	77	18,255	\$3,026.97	\$1,929.19	\$1,097.78	\$3,018.94	\$1,929.19	\$1,089.75	(8.03)	-0.3%
AVG.USE	29	6,844	\$1,138.80	\$723.27	\$415.53	\$1,135.79	\$723.27	\$412.52	(3.01)	-0.3%

2015 In Effect

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2016 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	LOW 0.125 MONTHLY KVA	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	20	1,790	\$349.36	\$189.17	\$160.19	\$348.57	\$189.17	\$159.40	(\$0.79)	-0.2%
20	25	2,260	\$438.65	\$238.82	\$199.83	\$437.66	\$238.82	\$198.84	(0.99)	-0.2%
30	39	3,555	\$685.62	\$375.69	\$309.93	\$684.06	\$375.69	\$308.37	(1.56)	-0.2%
40	49	4,443	\$856.46	\$469.51	\$386.95	\$854.50	\$469.51	\$384.99	(1.96)	-0.2%
50	59	5,341	\$1,028.89	\$564.46	\$464.43	\$1,026.54	\$564.46	\$462.08	(2.35)	-0.2%
60	83	7,535	\$1,448.38	\$796.34	\$652.04	\$1,445.06	\$796.34	\$648.72	(3.32)	-0.2%
70	104	9,456	\$1,815.59	\$999.35	\$816.24	\$1,811.43	\$999.35	\$812.08	(4.16)	-0.2%
80	139	12,681	\$2,431.10	\$1,340.16	\$1,090.94	\$2,425.52	\$1,340.16	\$1,085.36	(5.58)	-0.2%
90	200	18,255	\$3,496.83	\$1,929.19	\$1,567.64	\$3,488.80	\$1,929.19	\$1,559.61	(8.03)	-0.2%
AVG.USE	75	6,844	\$1,314.52	\$723.27	\$591.25	\$1,311.51	\$723.27	\$588.24	(3.01)	-0.2%

2015 In Effect

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2016 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 COMMERCIAL SPACE HEATING RATE G-5

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		93	\$22.45	\$9.83	\$12.62	\$22.41	\$9.83	\$12.58	(\$0.04)	-0.2%
20		194	\$40.95	\$20.50	\$20.45	\$40.87	\$20.50	\$20.37	(0.08)	-0.2%
30		283	\$57.27	\$29.91	\$27.36	\$57.15	\$29.91	\$27.24	(0.12)	-0.2%
40		388	\$76.51	\$41.00	\$35.51	\$76.34	\$41.00	\$35.34	(0.17)	-0.2%
50		505	\$97.96	\$53.37	\$44.59	\$97.74	\$53.37	\$44.37	(0.22)	-0.2%
60		689	\$131.68	\$72.81	\$58.87	\$131.37	\$72.81	\$58.56	(0.31)	-0.2%
70		984	\$185.75	\$103.99	\$81.76	\$185.32	\$103.99	\$81.33	(0.43)	-0.2%
80		1,490	\$278.48	\$157.46	\$121.02	\$277.83	\$157.46	\$120.37	(0.65)	-0.2%
90		2,902	\$537.28	\$306.68	\$230.60	\$536.00	\$306.68	\$229.32	(1.28)	-0.2%
AVG.USE		1,563	\$291.87	\$165.18	\$126.69	\$291.18	\$165.18	\$126.00	(0.69)	-0.2%

2015 In Effect

COMMERCIAL SPACE HEATING RATE G-5

DELIVERY SERVICES:

CUSTOMER \$5.40 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	3.671	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.040	" "
TRANS RATE ADJ	" "	-0.006	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2016 Planned

COMMERCIAL SPACE HEATING RATE G-5

DELIVERY SERVICES:

CUSTOMER \$5.40 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	3.671	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.040	" "
TRANS RATE ADJ	" "	-0.006	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 ALL ELECTRIC SCHOOLS RATE G-6

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		7,440	\$1,218.42	\$786.26	\$432.16	\$1,215.15	\$786.26	\$428.89	(\$3.27)	-0.3%
20		18,000	\$2,909.29	\$1,902.24	\$1,007.05	\$2,901.37	\$1,902.24	\$999.13	(7.92)	-0.3%
30		30,000	\$4,830.73	\$3,170.40	\$1,660.33	\$4,817.53	\$3,170.40	\$1,647.13	(13.20)	-0.3%
40		38,160	\$6,137.31	\$4,032.75	\$2,104.56	\$6,120.52	\$4,032.75	\$2,087.77	(16.79)	-0.3%
50		44,340	\$7,126.85	\$4,685.85	\$2,441.00	\$7,107.34	\$4,685.85	\$2,421.49	(19.51)	-0.3%
60		54,081	\$8,686.62	\$5,715.31	\$2,971.31	\$8,662.83	\$5,715.31	\$2,947.52	(23.79)	-0.3%
70		63,240	\$10,153.12	\$6,683.20	\$3,469.92	\$10,125.29	\$6,683.20	\$3,442.09	(27.83)	-0.3%
80		95,220	\$15,273.76	\$10,062.85	\$5,210.91	\$15,231.86	\$10,062.85	\$5,169.01	(41.90)	-0.3%
90		125,370	\$20,101.37	\$13,249.10	\$6,852.27	\$20,046.21	\$13,249.10	\$6,797.11	(55.16)	-0.3%
AVG.USE		88,287	\$14,163.64	\$9,330.17	\$4,833.47	\$14,124.80	\$9,330.17	\$4,794.63	(38.84)	-0.3%

2015 In Effect

ALL ELECTRIC SCHOOLS RATE G-6

DELIVERY SERVICES:

CUSTOMER \$27.13 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	1.700	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.689	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2016 Planned

ALL ELECTRIC SCHOOLS RATE G-6

DELIVERY SERVICES:

CUSTOMER \$27.13 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	1.700	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.689	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	AVERAGE 0.466 MONTHLY KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2016 Planned SUPPLIER DELIVERY		DIFFERENCE	
	MONTHLY KW	KWH							AMOUNT	%
10	0	29	\$13.32	\$3.06	\$10.26	\$13.31	\$3.06	\$10.25	(\$0.01)	-0.1%
20	1	491	\$89.63	\$51.89	\$37.74	\$89.42	\$51.89	\$37.53	(0.21)	-0.2%
30	3	908	\$168.97	\$95.99	\$72.98	\$168.57	\$95.99	\$72.58	(0.40)	-0.2%
40	6	1,987	\$353.45	\$209.99	\$143.46	\$352.58	\$209.99	\$142.59	(0.87)	-0.2%
50	12	4,013	\$703.41	\$424.09	\$279.32	\$701.64	\$424.09	\$277.55	(1.77)	-0.3%
60	25	8,483	\$1,473.33	\$896.52	\$576.81	\$1,469.60	\$896.52	\$573.08	(3.73)	-0.3%
70	35	11,755	\$2,041.41	\$1,242.27	\$799.14	\$2,036.24	\$1,242.27	\$793.97	(5.17)	-0.3%
80	43	14,470	\$2,509.96	\$1,529.16	\$980.80	\$2,503.60	\$1,529.16	\$974.44	(6.36)	-0.3%
90	61	20,608	\$3,568.49	\$2,177.80	\$1,390.69	\$3,559.43	\$2,177.80	\$1,381.63	(9.06)	-0.3%
AVG.USE	14	4,742	\$827.82	\$501.13	\$326.69	\$825.74	\$501.13	\$324.61	(2.08)	-0.3%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2016 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	HIGH 0.666 MONTHLY KW	KWH	2015 In Effect			2016 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	29	\$13.32	\$3.06	\$10.26	\$13.31	\$3.06	\$10.25	(\$0.01)	-0.1%
20	1	491	\$89.63	\$51.89	\$37.74	\$89.42	\$51.89	\$37.53	(0.21)	-0.2%
30	2	908	\$159.48	\$95.99	\$63.49	\$159.08	\$95.99	\$63.09	(0.40)	-0.3%
40	4	1,987	\$334.47	\$209.99	\$124.48	\$333.60	\$209.99	\$123.61	(0.87)	-0.3%
50	8	4,013	\$665.45	\$424.09	\$241.36	\$663.68	\$424.09	\$239.59	(1.77)	-0.3%
60	17	8,483	\$1,397.41	\$896.52	\$500.89	\$1,393.68	\$896.52	\$497.16	(3.73)	-0.3%
70	24	11,755	\$1,937.02	\$1,242.27	\$694.75	\$1,931.85	\$1,242.27	\$689.58	(5.17)	-0.3%
80	30	14,470	\$2,386.59	\$1,529.16	\$857.43	\$2,380.23	\$1,529.16	\$851.07	(6.36)	-0.3%
90	42	20,608	\$3,388.18	\$2,177.80	\$1,210.38	\$3,379.12	\$2,177.80	\$1,201.32	(9.06)	-0.3%
AVG.USE	10	4,742	\$789.86	\$501.13	\$288.73	\$787.78	\$501.13	\$286.65	(2.08)	-0.3%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK		OFF PK		CENTS/KWH
	23.66%	76.34%	23.66%	76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673			" "
TRANSITION	0.315	0.315			" "
TRANSMISSION (ENERGY)	0.000	0.000			" "
TRANS RATE ADJ	0.004	0.004			" "
DISTRIBUTION ADJ	1.472	1.472			" "
DEFAULT SERV ADJ	-0.032	-0.032			" "
DEMAND-SIDE MGT	0.250	0.250			" "
RENEWABLE ENERGY	0.050	0.050			" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2016 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK		OFF PK		CENTS/KWH
	23.66%	76.34%	23.66%	76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673			" "
TRANSITION	0.315	0.315			" "
TRANSMISSION (ENERGY)	0.000	0.000			" "
TRANS RATE ADJ	0.004	0.004			" "
DISTRIBUTION ADJ	1.428	1.428			" "
DEFAULT SERV ADJ	-0.032	-0.032			" "
DEMAND-SIDE MGT	0.250	0.250			" "
RENEWABLE ENERGY	0.050	0.050			" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	LOW 0.266 MONTHLY KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2016 Planned SUPPLIER DELIVERY		DIFFERENCE	
		KWH							AMOUNT	%
10	0	29	\$13.32	\$3.06	\$10.26	\$13.31	\$3.06	\$10.25	(\$0.01)	-0.1%
20	3	491	\$108.61	\$51.89	\$56.72	\$108.40	\$51.89	\$56.51	(0.21)	-0.2%
30	5	908	\$187.95	\$95.99	\$91.96	\$187.55	\$95.99	\$91.56	(0.40)	-0.2%
40	10	1,987	\$391.41	\$209.99	\$181.42	\$390.54	\$209.99	\$180.55	(0.87)	-0.2%
50	21	4,013	\$788.82	\$424.09	\$364.73	\$787.05	\$424.09	\$362.96	(1.77)	-0.2%
60	44	8,483	\$1,653.64	\$896.52	\$757.12	\$1,649.91	\$896.52	\$753.39	(3.73)	-0.2%
70	61	11,755	\$2,288.15	\$1,242.27	\$1,045.88	\$2,282.98	\$1,242.27	\$1,040.71	(5.17)	-0.2%
80	75	14,470	\$2,813.64	\$1,529.16	\$1,284.48	\$2,807.28	\$1,529.16	\$1,278.12	(6.36)	-0.2%
90	106	20,608	\$3,995.54	\$2,177.80	\$1,817.74	\$3,986.48	\$2,177.80	\$1,808.68	(9.06)	-0.2%
AVG.USE	24	4,742	\$922.72	\$501.13	\$421.59	\$920.64	\$501.13	\$419.51	(2.08)	-0.2%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2016 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.172 WINTER KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2016 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH							AMOUNT	%	
10	0	0	\$9.13	\$0.00	\$9.13	\$9.13	\$0.00	\$9.13	\$0.00	0.0%
20	39	4,940	\$1,064.84	\$522.06	\$542.78	\$1,062.67	\$522.06	\$540.61	(2.17)	-0.2%
30	66	8,211	\$1,770.92	\$867.74	\$903.18	\$1,767.31	\$867.74	\$899.57	(3.61)	-0.2%
40	79	9,901	\$2,130.03	\$1,046.34	\$1,083.69	\$2,125.68	\$1,046.34	\$1,079.34	(4.35)	-0.2%
50	86	10,800	\$2,321.57	\$1,141.34	\$1,180.23	\$2,316.81	\$1,141.34	\$1,175.47	(4.76)	-0.2%
60	92	11,460	\$2,467.34	\$1,211.09	\$1,256.25	\$2,462.30	\$1,211.09	\$1,251.21	(5.04)	-0.2%
70	100	12,560	\$2,698.32	\$1,327.34	\$1,370.98	\$2,692.80	\$1,327.34	\$1,365.46	(5.52)	-0.2%
80	116	14,540	\$3,123.67	\$1,536.59	\$1,587.08	\$3,117.27	\$1,536.59	\$1,580.68	(6.40)	-0.2%
90	138	17,280	\$3,711.43	\$1,826.15	\$1,885.28	\$3,703.83	\$1,826.15	\$1,877.68	(7.60)	-0.2%
AVG.USE	4	532	\$121.62	\$56.22	\$65.40	\$121.39	\$56.22	\$65.17	(0.23)	-0.2%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$9.13	PER BILL
DISTRIBUTION (DEMAND)		\$3.39	PER KW
TRANSMISSION (DEMAND)		\$2.60	
	PEAK	OFF PK	
	21.97%	78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2016 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$9.13	PER BILL
DISTRIBUTION (DEMAND)		\$3.39	PER KW
TRANSMISSION (DEMAND)		\$2.60	
	PEAK	OFF PK	
	21.97%	78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.172 SUMMER KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2016 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH						AMOUNT	%		
10	0	0	\$9.13	\$0.00	\$9.13	\$9.13	\$0.00	\$9.13	\$0.00	0.0%
20	62	7,745	\$1,669.40	\$818.49	\$850.91	\$1,666.00	\$818.49	\$847.51	(3.40)	-0.2%
30	82	10,320	\$2,217.73	\$1,090.62	\$1,127.11	\$2,213.19	\$1,090.62	\$1,122.57	(4.54)	-0.2%
40	96	11,989	\$2,579.34	\$1,267.00	\$1,312.34	\$2,574.07	\$1,267.00	\$1,307.07	(5.27)	-0.2%
50	102	12,756	\$2,742.92	\$1,348.05	\$1,394.87	\$2,737.30	\$1,348.05	\$1,389.25	(5.62)	-0.2%
60	108	13,523	\$2,906.50	\$1,429.11	\$1,477.39	\$2,900.55	\$1,429.11	\$1,471.44	(5.95)	-0.2%
70	114	14,290	\$3,070.09	\$1,510.17	\$1,559.92	\$3,063.80	\$1,510.17	\$1,553.63	(6.29)	-0.2%
80	119	14,924	\$3,205.54	\$1,577.17	\$1,628.37	\$3,198.98	\$1,577.17	\$1,621.81	(6.56)	-0.2%
90	124	15,532	\$3,336.67	\$1,641.42	\$1,695.25	\$3,329.84	\$1,641.42	\$1,688.42	(6.83)	-0.2%
AVG.USE	7	919	\$204.00	\$97.12	\$106.88	\$203.59	\$97.12	\$106.47	(0.41)	-0.2%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK 21.97%	OFF PK 78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2016 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK 21.97%	OFF PK 78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL RATE R-1

CUM % BILLS	KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		160	\$36.35	\$16.26	\$20.09	\$35.81	\$16.26	\$19.55	(\$0.54)	-1.5%
20		230	\$50.62	\$23.37	\$27.25	\$49.84	\$23.37	\$26.47	(0.78)	-1.5%
30		306	\$66.11	\$31.09	\$35.02	\$65.07	\$31.09	\$33.98	(1.04)	-1.6%
40		382	\$81.60	\$38.81	\$42.79	\$80.31	\$38.81	\$41.50	(1.29)	-1.6%
50		464	\$98.31	\$47.14	\$51.17	\$96.75	\$47.14	\$49.61	(1.56)	-1.6%
60		555	\$116.87	\$56.39	\$60.48	\$114.99	\$56.39	\$58.60	(1.88)	-1.6%
70		660	\$138.28	\$67.06	\$71.22	\$136.04	\$67.06	\$68.98	(2.24)	-1.6%
80		793	\$165.38	\$80.57	\$84.81	\$162.70	\$80.57	\$82.13	(2.68)	-1.6%
90		997	\$206.97	\$101.30	\$105.67	\$203.60	\$101.30	\$102.30	(3.37)	-1.6%
AVG.USE		584	\$122.77	\$59.33	\$63.44	\$120.80	\$59.33	\$61.47	(1.97)	-1.6%

2016 Planned

RESIDENTIAL RATE R-1 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.636	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2017 Planned

RESIDENTIAL RATE R-1 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.298	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SEASONAL RATE R-1

CUM % BILLS	KW	WINTER KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		14	\$7.34	\$1.42	\$5.92	\$7.29	\$1.42	\$5.87	(\$0.05)	-0.7%
20		23	\$9.66	\$2.34	\$7.32	\$9.58	\$2.34	\$7.24	(0.08)	-0.8%
30		34	\$12.49	\$3.45	\$9.04	\$12.37	\$3.45	\$8.92	(0.12)	-1.0%
40		46	\$15.58	\$4.67	\$10.91	\$15.43	\$4.67	\$10.76	(0.15)	-1.0%
50		65	\$20.48	\$6.60	\$13.88	\$20.26	\$6.60	\$13.66	(0.22)	-1.1%
60		90	\$26.93	\$9.14	\$17.79	\$26.62	\$9.14	\$17.48	(0.31)	-1.2%
70		125	\$35.95	\$12.70	\$23.25	\$35.53	\$12.70	\$22.83	(0.42)	-1.2%
80		179	\$49.87	\$18.19	\$31.68	\$49.27	\$18.19	\$31.08	(0.60)	-1.2%
90		287	\$77.71	\$29.16	\$48.55	\$76.74	\$29.16	\$47.58	(0.97)	-1.2%
AVG.USE		141	\$40.08	\$14.33	\$25.75	\$39.60	\$14.33	\$25.27	(0.48)	-1.2%

2016 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.636	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2017 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.298	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SEASONAL RATE R-1

CUM % BILLS	KW	SUMMER KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		80	\$24.35	\$8.13	\$16.22	\$24.08	\$8.13	\$15.95	(\$0.27)	-1.1%
20		123	\$35.44	\$12.50	\$22.94	\$35.02	\$12.50	\$22.52	(0.42)	-1.2%
30		163	\$45.75	\$16.56	\$29.19	\$45.19	\$16.56	\$28.63	(0.56)	-1.2%
40		208	\$57.34	\$21.13	\$36.21	\$56.64	\$21.13	\$35.51	(0.70)	-1.2%
50		261	\$71.01	\$26.52	\$44.49	\$70.13	\$26.52	\$43.61	(0.88)	-1.2%
60		328	\$88.27	\$33.32	\$54.95	\$87.17	\$33.32	\$53.85	(1.10)	-1.2%
70		417	\$111.22	\$42.37	\$68.85	\$109.81	\$42.37	\$67.44	(1.41)	-1.3%
80		543	\$143.70	\$55.17	\$88.53	\$141.86	\$55.17	\$86.69	(1.84)	-1.3%
90		739	\$194.22	\$75.08	\$119.14	\$191.72	\$75.08	\$116.64	(2.50)	-1.3%
AVG.USE		401	\$107.09	\$40.74	\$66.35	\$105.74	\$40.74	\$65.00	(1.35)	-1.3%

2016 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.636	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2017 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.298	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE RATE R-2 (R1)

CUM % BILLS	KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		146	\$23.83	\$11.50	\$12.33	\$23.83	\$11.50	\$12.33	\$0.00	0.0%
20		194	\$30.72	\$15.28	\$15.44	\$30.71	\$15.28	\$15.43	(0.01)	0.0%
30		243	\$37.73	\$19.13	\$18.60	\$37.73	\$19.13	\$18.60	0.00	0.0%
40		293	\$44.91	\$23.07	\$21.84	\$44.90	\$23.07	\$21.83	(0.01)	0.0%
50		350	\$53.08	\$27.56	\$25.52	\$53.07	\$27.56	\$25.51	(0.01)	0.0%
60		416	\$62.55	\$32.76	\$29.79	\$62.54	\$32.76	\$29.78	(0.01)	0.0%
70		497	\$74.16	\$39.13	\$35.03	\$74.14	\$39.13	\$35.01	(0.02)	0.0%
80		608	\$90.08	\$47.87	\$42.21	\$90.05	\$47.87	\$42.18	(0.03)	0.0%
90		785	\$115.46	\$61.81	\$53.65	\$115.43	\$61.81	\$53.62	(0.03)	0.0%
AVG.USE		483	\$72.15	\$38.03	\$34.12	\$72.14	\$38.03	\$34.11	(0.01)	0.0%

2016 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.755	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 22.5%

2017 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.750	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 22.5%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE SEASONAL RATE R-2 (R1S)

CUM % BILLS	KW	WINTER KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		17	\$5.68	\$1.26	\$4.42	\$5.68	\$1.26	\$4.42	\$0.00	0.0%
20		42	\$10.04	\$3.11	\$6.93	\$10.03	\$3.11	\$6.92	(0.01)	-0.1%
30		91	\$18.57	\$6.74	\$11.83	\$18.57	\$6.74	\$11.83	0.00	0.0%
40		155	\$29.72	\$11.48	\$18.24	\$29.72	\$11.48	\$18.24	0.00	0.0%
50		171	\$32.52	\$12.67	\$19.85	\$32.51	\$12.67	\$19.84	(0.01)	0.0%
60		267	\$49.24	\$19.78	\$29.46	\$49.23	\$19.78	\$29.45	(0.01)	0.0%
70		344	\$62.65	\$25.48	\$37.17	\$62.64	\$25.48	\$37.16	(0.01)	0.0%
80		395	\$71.54	\$29.26	\$42.28	\$71.53	\$29.26	\$42.27	(0.01)	0.0%
90		624	\$111.44	\$46.22	\$65.22	\$111.41	\$46.22	\$65.19	(0.03)	0.0%
AVG.USE		313	\$57.25	\$23.18	\$34.07	\$57.24	\$23.18	\$34.06	(0.01)	0.0%

2016 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.755	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

2017 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.750	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE SEASONAL RATE R-2 (R1S)

CUM % BILLS	KW	SUMMER KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		122	\$23.98	\$9.04	\$14.94	\$23.97	\$9.04	\$14.93	(\$0.01)	0.0%
20		172	\$32.69	\$12.74	\$19.95	\$32.68	\$12.74	\$19.94	(0.01)	0.0%
30		273	\$50.28	\$20.22	\$30.06	\$50.27	\$20.22	\$30.05	(0.01)	0.0%
40		298	\$54.64	\$22.07	\$32.57	\$54.63	\$22.07	\$32.56	(0.01)	0.0%
50		342	\$62.30	\$25.33	\$36.97	\$62.29	\$25.33	\$36.96	(0.01)	0.0%
60		326	\$59.52	\$24.15	\$35.37	\$59.51	\$24.15	\$35.36	(0.01)	0.0%
70		390	\$70.67	\$28.89	\$41.78	\$70.66	\$28.89	\$41.77	(0.01)	0.0%
80		516	\$92.62	\$38.22	\$54.40	\$92.60	\$38.22	\$54.38	(0.02)	0.0%
90		756	\$134.43	\$55.99	\$78.44	\$134.40	\$55.99	\$78.41	(0.03)	0.0%
AVG.USE		385	\$69.80	\$28.52	\$41.28	\$69.79	\$28.52	\$41.27	(0.01)	0.0%

2016 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.755	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

2017 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.750	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SPACE HEATING RATE R-3

CUM % BILLS	KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		215	\$48.98	\$21.84	\$27.14	\$48.25	\$21.84	\$26.41	(\$0.73)	-1.5%
20		328	\$69.45	\$33.32	\$36.13	\$68.34	\$33.32	\$35.02	(1.11)	-1.6%
30		451	\$91.73	\$45.82	\$45.91	\$90.21	\$45.82	\$44.39	(1.52)	-1.7%
40		568	\$112.93	\$57.71	\$55.22	\$111.01	\$57.71	\$53.30	(1.92)	-1.7%
50		690	\$135.03	\$70.10	\$64.93	\$132.69	\$70.10	\$62.59	(2.34)	-1.7%
60		824	\$159.31	\$83.72	\$75.59	\$156.52	\$83.72	\$72.80	(2.79)	-1.8%
70		982	\$187.93	\$99.77	\$88.16	\$184.61	\$99.77	\$84.84	(3.32)	-1.8%
80		1,184	\$224.52	\$120.29	\$104.23	\$220.52	\$120.29	\$100.23	(4.00)	-1.8%
90		1,489	\$279.77	\$151.28	\$128.49	\$274.74	\$151.28	\$123.46	(5.03)	-1.8%
AVG.USE		859	\$165.64	\$87.27	\$78.37	\$162.74	\$87.27	\$75.47	(2.90)	-1.8%

2016 Planned

RES SPACE HEATING RATE R-3

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.449	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

2017 Planned

RES SPACE HEATING RATE R-3

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.111	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RES ASSISTANCE SPACE HEATING RATE R-4 (R3)

CUM % BILLS	KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		349	\$53.55	\$28.47	\$25.08	\$53.54	\$28.47	\$25.07	(\$0.01)	0.0%
20		455	\$67.37	\$37.12	\$30.25	\$67.35	\$37.12	\$30.23	(0.02)	0.0%
30		551	\$79.88	\$44.95	\$34.93	\$79.86	\$44.95	\$34.91	(0.02)	0.0%
40		639	\$91.36	\$52.13	\$39.23	\$91.33	\$52.13	\$39.20	(0.03)	0.0%
50		752	\$106.09	\$61.35	\$44.74	\$106.06	\$61.35	\$44.71	(0.03)	0.0%
60		877	\$122.39	\$71.55	\$50.84	\$122.35	\$71.55	\$50.80	(0.04)	0.0%
70		1,036	\$143.11	\$84.52	\$58.59	\$143.07	\$84.52	\$58.55	(0.04)	0.0%
80		1,234	\$168.93	\$100.68	\$68.25	\$168.88	\$100.68	\$68.20	(0.05)	0.0%
90		1,523	\$206.60	\$124.25	\$82.35	\$206.54	\$124.25	\$82.29	(0.06)	0.0%
AVG.USE		934	\$129.82	\$76.20	\$53.62	\$129.78	\$76.20	\$53.58	(0.04)	0.0%

2016 Planned

RES ASSISTANCE SPACE HEATING RATE R-4

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.568	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "
LOW INCOME DISCOUNT		19.7%	

2017 Planned

RES ASSISTANCE SPACE HEATING RATE R-4

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.563	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "
LOW INCOME DISCOUNT		19.7%	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 CONTROLLED WATER HEATING RATE R-5

CUM % BILLS	KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		43	\$7.94	\$4.37	\$3.57	\$7.79	\$4.37	\$3.42	(\$0.15)	-1.9%
20		69	\$12.74	\$7.01	\$5.73	\$12.50	\$7.01	\$5.49	(0.24)	-1.9%
30		93	\$17.17	\$9.45	\$7.72	\$16.85	\$9.45	\$7.40	(0.32)	-1.9%
40		118	\$21.78	\$11.99	\$9.79	\$21.38	\$11.99	\$9.39	(0.40)	-1.8%
50		147	\$27.14	\$14.94	\$12.20	\$26.64	\$14.94	\$11.70	(0.50)	-1.8%
60		178	\$32.85	\$18.08	\$14.77	\$32.25	\$18.08	\$14.17	(0.60)	-1.8%
70		214	\$39.50	\$21.74	\$17.76	\$38.78	\$21.74	\$17.04	(0.72)	-1.8%
80		261	\$48.18	\$26.52	\$21.66	\$47.30	\$26.52	\$20.78	(0.88)	-1.8%
90		331	\$61.10	\$33.63	\$27.47	\$59.98	\$33.63	\$26.35	(1.12)	-1.8%
AVG.USE		187	\$34.52	\$19.00	\$15.52	\$33.89	\$19.00	\$14.89	(0.63)	-1.8%

2016 Planned

CONT WATER HEATING RATE R-5

DELIVERY SERVICES:

CUSTOMER		\$0.00	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.227	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.872	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.636	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

2017 Planned

CONT WATER HEATING RATE R-5

DELIVERY SERVICES:

CUSTOMER		\$0.00	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.227	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.872	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.298	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL TOU RATE R-6

CUM % BILLS	KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		296	\$64.09	\$30.07	\$34.02	\$63.09	\$30.07	\$33.02	(\$1.00)	-1.6%
20		405	\$85.00	\$41.15	\$43.85	\$83.63	\$41.15	\$42.48	(1.37)	-1.6%
30		493	\$101.88	\$50.09	\$51.79	\$100.21	\$50.09	\$50.12	(1.67)	-1.6%
40		566	\$115.88	\$57.51	\$58.37	\$113.97	\$57.51	\$56.46	(1.91)	-1.6%
50		653	\$132.56	\$66.34	\$66.22	\$130.35	\$66.34	\$64.01	(2.21)	-1.7%
60		813	\$163.25	\$82.60	\$80.65	\$160.50	\$82.60	\$77.90	(2.75)	-1.7%
70		974	\$194.13	\$98.96	\$95.17	\$190.83	\$98.96	\$91.87	(3.30)	-1.7%
80		1,295	\$255.68	\$131.57	\$124.11	\$251.31	\$131.57	\$119.74	(4.37)	-1.7%
90		2,096	\$409.30	\$212.95	\$196.35	\$402.21	\$212.95	\$189.26	(7.09)	-1.7%
AVG.USE		1,049	\$208.51	\$106.58	\$101.93	\$204.96	\$106.58	\$98.38	(3.55)	-1.7%

2016 Planned

RESIDENTIAL TOU RATE R-6

DELIVERY SERVICES:

CUSTOMER	\$7.33		PER BILL
	PEAK	OFF-PEAK	
	20.58%	79.42%	
DISTRIBUTION (ENERGY)	14.645	1.198	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	1.851	1.851	" "
TRANS RATE ADJ	0.002	0.002	" "
DISTRIBUTION ADJ	2.636	2.636	" "
DEFAULT SERV ADJ	-0.051	-0.051	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.160	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2017 Planned

RESIDENTIAL TOU RATE R-6

DELIVERY SERVICES:

CUSTOMER	\$7.33		PER BILL
	PEAK	OFF-PEAK	
	20.58%	79.42%	
DISTRIBUTION (ENERGY)	14.645	1.198	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	1.851	1.851	" "
TRANS RATE ADJ	0.002	0.002	" "
DISTRIBUTION ADJ	2.298	2.298	" "
DEFAULT SERV ADJ	-0.051	-0.051	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.160	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	AVERAGE 0.408		TOTAL	2016 Planned		TOTAL	2017 Planned		DIFFERENCE	
	MONTHLY KW	MONTHLY KWH		SUPPLIER	DELIVERY		SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$8.00	\$1.37	\$6.63	\$0.03	0.4%
20	0	82	\$20.84	\$8.62	\$12.22	\$21.06	\$8.62	\$12.44	0.22	1.1%
30	1	186	\$40.38	\$19.62	\$20.76	\$40.88	\$19.62	\$21.26	0.50	1.2%
40	1	335	\$68.50	\$35.45	\$33.05	\$69.41	\$35.45	\$33.96	0.91	1.3%
50	2	525	\$104.11	\$55.49	\$48.62	\$105.52	\$55.49	\$50.03	1.41	1.4%
60	3	826	\$160.58	\$87.28	\$73.30	\$162.80	\$87.28	\$75.52	2.22	1.4%
70	4	1,275	\$244.84	\$134.71	\$110.13	\$248.27	\$134.71	\$113.56	3.43	1.4%
80	8	2,351	\$445.47	\$248.49	\$196.98	\$451.80	\$248.49	\$203.31	6.33	1.4%
90	17	4,950	\$891.32	\$523.13	\$368.19	\$904.63	\$523.13	\$381.50	13.31	1.5%
AVG.USE	8	2,396	\$452.55	\$253.21	\$199.34	\$458.99	\$253.21	\$205.78	6.44	1.4%

2016 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.428	1.428		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2017 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.697	1.697		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	HIGH 0.508 MONTHLY KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$8.00	\$1.37	\$6.63	\$0.03	0.4%
20	0	82	\$20.84	\$8.62	\$12.22	\$21.06	\$8.62	\$12.44	0.22	1.1%
30	1	186	\$40.38	\$19.62	\$20.76	\$40.88	\$19.62	\$21.26	0.50	1.2%
40	1	335	\$68.50	\$35.45	\$33.05	\$69.41	\$35.45	\$33.96	0.91	1.3%
50	1	525	\$104.11	\$55.49	\$48.62	\$105.52	\$55.49	\$50.03	1.41	1.4%
60	2	826	\$160.58	\$87.28	\$73.30	\$162.80	\$87.28	\$75.52	2.22	1.4%
70	3	1,275	\$244.84	\$134.71	\$110.13	\$248.27	\$134.71	\$113.56	3.43	1.4%
80	6	2,351	\$445.47	\$248.49	\$196.98	\$451.80	\$248.49	\$203.31	6.33	1.4%
90	13	4,950	\$871.88	\$523.13	\$348.75	\$885.19	\$523.13	\$362.06	13.31	1.5%
AVG.USE	6	2,396	\$452.55	\$253.21	\$199.34	\$458.99	\$253.21	\$205.78	6.44	1.4%

2016 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.428	1.428		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2017 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.697	1.697		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	LOW 0.308 MONTHLY KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$8.00	\$1.37	\$6.63	\$0.03	0.4%
20	0	82	\$20.84	\$8.62	\$12.22	\$21.06	\$8.62	\$12.44	0.22	1.1%
30	1	186	\$40.38	\$19.62	\$20.76	\$40.88	\$19.62	\$21.26	0.50	1.2%
40	1	335	\$68.50	\$35.45	\$33.05	\$69.41	\$35.45	\$33.96	0.91	1.3%
50	2	525	\$104.11	\$55.49	\$48.62	\$105.52	\$55.49	\$50.03	1.41	1.4%
60	4	826	\$160.58	\$87.28	\$73.30	\$162.80	\$87.28	\$75.52	2.22	1.4%
70	6	1,275	\$244.84	\$134.71	\$110.13	\$248.27	\$134.71	\$113.56	3.43	1.4%
80	10	2,351	\$445.47	\$248.49	\$196.98	\$451.80	\$248.49	\$203.31	6.33	1.4%
90	22	4,950	\$915.62	\$523.13	\$392.49	\$928.93	\$523.13	\$405.80	13.31	1.5%
AVG.USE	11	2,396	\$457.41	\$253.21	\$204.20	\$463.85	\$253.21	\$210.64	6.44	1.4%

2016 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>	
DISTRIBUTION (DEMAND)	\$0.00	\$4.86	PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00	
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>	
DISTRIBUTION (ENERGY)	4.132	1.205	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	2.060	2.060	" "
TRANS RATE ADJ	0.003	0.003	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2017 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>	
DISTRIBUTION (DEMAND)	\$0.00	\$4.86	PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00	
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>	
DISTRIBUTION (ENERGY)	4.132	1.205	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	2.060	2.060	" "
TRANS RATE ADJ	0.003	0.003	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.248 WINTER KW		TOTAL	2016 Planned SUPPLIER DELIVERY		TOTAL	2017 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH						AMOUNT	%		
10	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	\$0.00	0.0%
20	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
30	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
40	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
50	0	7	\$7.13	\$0.74	\$6.39	\$7.15	\$0.74	\$6.41	0.02	0.3%
60	0	47	\$16.30	\$4.97	\$11.33	\$16.42	\$4.97	\$11.45	0.12	0.7%
70	1	140	\$37.60	\$14.80	\$22.80	\$37.98	\$14.80	\$23.18	0.38	1.0%
80	2	377	\$91.87	\$39.84	\$52.03	\$92.89	\$39.84	\$53.05	1.02	1.1%
90	6	1,009	\$236.62	\$106.63	\$129.99	\$239.33	\$106.63	\$132.70	2.71	1.1%
AVG.USE	3	539	\$128.98	\$56.96	\$72.02	\$130.43	\$56.96	\$73.47	1.45	1.1%

2016 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.428	1.428		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2017 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.697	1.697		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.248 SUMMER KW		TOTAL	2016 Planned SUPPLIER DELIVERY		TOTAL	2017 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH	KWH							AMOUNT	%
10	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	\$0.00	0.0%
20	0	24	\$11.03	\$2.54	\$8.49	\$11.09	\$2.54	\$8.55	0.06	0.5%
30	1	102	\$28.89	\$10.78	\$18.11	\$29.17	\$10.78	\$18.39	0.28	1.0%
40	1	238	\$60.04	\$25.15	\$34.89	\$60.68	\$25.15	\$35.53	0.64	1.1%
50	2	446	\$107.67	\$47.13	\$60.54	\$108.87	\$47.13	\$61.74	1.20	1.1%
60	4	755	\$178.45	\$79.79	\$98.66	\$180.48	\$79.79	\$100.69	2.03	1.1%
70	7	1,256	\$293.19	\$132.73	\$160.46	\$296.57	\$132.73	\$163.84	3.38	1.2%
80	13	2,265	\$513.11	\$239.37	\$273.74	\$519.20	\$239.37	\$279.83	6.09	1.2%
90	28	5,062	\$1,073.32	\$534.95	\$538.37	\$1,086.94	\$534.95	\$551.99	13.62	1.3%
AVG.USE	9	1,605	\$373.13	\$169.62	\$203.51	\$377.44	\$169.62	\$207.82	4.31	1.2%

2016 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.428	1.428		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2017 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.697	1.697		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	AVERAGE 0.512 MONTHLY KVA	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	37,403	\$6,362.21	\$3,952.75	\$2,409.46	\$6,462.82	\$3,952.75	\$2,510.07	\$100.61	1.6%
	150	56,105	\$9,363.32	\$5,929.18	\$3,434.14	\$9,514.24	\$5,929.18	\$3,585.06	150.92	1.6%
	200	74,807	\$12,364.42	\$7,905.60	\$4,458.82	\$12,565.65	\$7,905.60	\$4,660.05	201.23	1.6%
	250	93,508	\$15,365.40	\$9,881.93	\$5,483.47	\$15,616.94	\$9,881.93	\$5,735.01	251.54	1.6%
	300	112,210	\$18,366.50	\$11,858.35	\$6,508.15	\$18,668.35	\$11,858.35	\$6,810.00	301.85	1.6%
	350	130,912	\$21,367.61	\$13,834.78	\$7,532.83	\$21,719.77	\$13,834.78	\$7,884.99	352.16	1.6%
	400	149,613	\$24,368.58	\$15,811.10	\$8,557.48	\$24,771.04	\$15,811.10	\$8,959.94	402.46	1.7%
	450	168,315	\$27,369.69	\$17,787.53	\$9,582.16	\$27,822.46	\$17,787.53	\$10,034.93	452.77	1.7%
	500	187,017	\$30,370.81	\$19,763.96	\$10,606.85	\$30,873.88	\$19,763.96	\$11,109.92	503.07	1.7%
AVG.USE	272	101,737	\$16,685.90	\$10,751.57	\$5,934.33	\$16,959.58	\$10,751.57	\$6,208.01	273.68	1.6%

2016 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.235	1.235	1.235		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

2017 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.504	1.504	1.504		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	HIGH 0.712 MONTHLY KVA	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	51,976	\$8,401.90	\$5,492.82	\$2,909.08	\$8,541.72	\$5,492.82	\$3,048.90	\$139.82	1.7%
	150	77,964	\$12,422.80	\$8,239.24	\$4,183.56	\$12,632.52	\$8,239.24	\$4,393.28	209.72	1.7%
	200	103,952	\$16,443.68	\$10,985.65	\$5,458.03	\$16,723.32	\$10,985.65	\$5,737.67	279.64	1.7%
	250	129,940	\$20,464.57	\$13,732.06	\$6,732.51	\$20,814.11	\$13,732.06	\$7,082.05	349.54	1.7%
	300	155,928	\$24,485.46	\$16,478.47	\$8,006.99	\$24,904.90	\$16,478.47	\$8,426.43	419.44	1.7%
	350	181,916	\$28,506.34	\$19,224.88	\$9,281.46	\$28,995.70	\$19,224.88	\$9,770.82	489.36	1.7%
	400	207,904	\$32,527.23	\$21,971.29	\$10,555.94	\$33,086.49	\$21,971.29	\$11,115.20	559.26	1.7%
	450	233,892	\$36,548.12	\$24,717.71	\$11,830.41	\$37,177.29	\$24,717.71	\$12,459.58	629.17	1.7%
	500	259,880	\$40,569.01	\$27,464.12	\$13,104.89	\$41,268.09	\$27,464.12	\$13,803.97	699.08	1.7%
AVG.USE	272	141,375	\$22,233.80	\$14,940.51	\$7,293.29	\$22,614.10	\$14,940.51	\$7,673.59	380.30	1.7%

2016 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.235	1.235	1.235		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

2017 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.504	1.504	1.504		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	LOW 0.312 MONTHLY KVA	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	22,776	\$4,314.96	\$2,406.97	\$1,907.99	\$4,376.22	\$2,406.97	\$1,969.25	\$61.26	1.4%
	150	34,164	\$6,292.36	\$3,610.45	\$2,681.91	\$6,384.26	\$3,610.45	\$2,773.81	91.90	1.5%
	200	45,552	\$8,269.78	\$4,813.94	\$3,455.84	\$8,392.32	\$4,813.94	\$3,578.38	122.54	1.5%
	250	56,940	\$10,247.19	\$6,017.42	\$4,229.77	\$10,400.36	\$6,017.42	\$4,382.94	153.17	1.5%
	300	68,328	\$12,224.60	\$7,220.90	\$5,003.70	\$12,408.40	\$7,220.90	\$5,187.50	183.80	1.5%
	350	79,716	\$14,202.01	\$8,424.39	\$5,777.62	\$14,416.45	\$8,424.39	\$5,992.06	214.44	1.5%
	400	91,104	\$16,179.42	\$9,627.87	\$6,551.55	\$16,424.49	\$9,627.87	\$6,796.62	245.07	1.5%
	450	102,492	\$18,156.83	\$10,831.35	\$7,325.48	\$18,432.53	\$10,831.35	\$7,601.18	275.70	1.5%
	500	113,880	\$20,134.25	\$12,034.84	\$8,099.41	\$20,440.58	\$12,034.84	\$8,405.74	306.33	1.5%
AVG.USE	272	61,951	\$11,117.29	\$6,546.98	\$4,570.31	\$11,283.93	\$6,546.98	\$4,736.95	166.64	1.5%

2016 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.235	1.235	1.235	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

2017 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.504	1.504	1.504	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	AVERAGE 0.521 MONTHLY KVA		TOTAL	2016 Planned SUPPLIER		DELIVERY	TOTAL	2017 Planned SUPPLIER		DELIVERY	DIFFERENCE	
	KWH								AMOUNT		%	
	419	159,358	\$25,706.40	\$16,840.95	\$8,865.45		\$26,135.08	\$16,840.95	\$9,294.13		\$428.68	1.7%
	490	186,362	\$29,909.97	\$19,694.74	\$10,215.23		\$30,411.28	\$19,694.74	\$10,716.54		501.31	1.7%
	672	255,582	\$40,685.07	\$27,009.91	\$13,675.16		\$41,372.59	\$27,009.91	\$14,362.68		687.52	1.7%
	893	339,635	\$53,769.15	\$35,892.63	\$17,876.52		\$54,682.77	\$35,892.63	\$18,790.14		913.62	1.7%
	902	343,058	\$54,301.99	\$36,254.37	\$18,047.62		\$55,224.81	\$36,254.37	\$18,970.44		922.82	1.7%
	1,024	389,458	\$61,524.83	\$41,157.92	\$20,366.91		\$62,572.47	\$41,157.92	\$21,414.55		1,047.64	1.7%
	1,143	434,717	\$68,570.06	\$45,940.89	\$22,629.17		\$69,739.45	\$45,940.89	\$23,798.56		1,169.39	1.7%
	1,673	636,292	\$99,948.16	\$67,243.34	\$32,704.82		\$101,659.78	\$67,243.34	\$34,416.44		1,711.62	1.7%
	2,293	872,097	\$136,654.64	\$92,163.21	\$44,491.43		\$139,000.58	\$92,163.21	\$46,837.37		2,345.94	1.7%
AVG.USE	1,285	488,724	\$76,977.03	\$51,648.35	\$25,328.68		\$78,291.70	\$51,648.35	\$26,643.35		1,314.67	1.7%

2016 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.153	1.153	1.153	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2017 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.422	1.422	1.422	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	HIGH 0.721 MONTHLY KVA	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	220,532	\$33,918.15	\$23,305.82	\$10,612.33	\$34,511.38	\$23,305.82	\$11,205.56	\$593.23	1.7%
	490	257,902	\$39,513.19	\$27,255.08	\$12,258.11	\$40,206.95	\$27,255.08	\$12,951.87	693.76	1.8%
	672	353,694	\$53,855.22	\$37,378.38	\$16,476.84	\$54,806.65	\$37,378.38	\$17,428.27	951.43	1.8%
	893	470,013	\$71,270.55	\$49,670.97	\$21,599.58	\$72,534.88	\$49,670.97	\$22,863.91	1,264.33	1.8%
	902	474,750	\$71,979.77	\$50,171.58	\$21,808.19	\$73,256.85	\$50,171.58	\$23,085.27	1,277.08	1.8%
	1,024	538,962	\$81,593.62	\$56,957.50	\$24,636.12	\$83,043.43	\$56,957.50	\$26,085.93	1,449.81	1.8%
	1,143	601,595	\$90,971.07	\$63,576.56	\$27,394.51	\$92,589.36	\$63,576.56	\$29,012.80	1,618.29	1.8%
	1,673	880,550	\$132,736.33	\$93,056.52	\$39,679.81	\$135,105.01	\$93,056.52	\$42,048.49	2,368.68	1.8%
	2,293	1,206,875	\$181,593.85	\$127,542.55	\$54,051.30	\$184,840.35	\$127,542.55	\$57,297.80	3,246.50	1.8%
AVG.USE	1,285	676,334	\$102,161.03	\$71,474.98	\$30,686.05	\$103,980.37	\$71,474.98	\$32,505.39	1,819.34	1.8%

2016 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.153	1.153	1.153	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2017 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.422	1.422	1.422	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	LOW 0.321 MONTHLY KVA	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	98,184	\$17,494.67	\$10,376.09	\$7,118.58	\$17,758.78	\$10,376.09	\$7,382.69	\$264.11	1.5%
	490	114,822	\$20,306.73	\$12,134.39	\$8,172.34	\$20,615.60	\$12,134.39	\$8,481.21	308.87	1.5%
	672	157,470	\$27,514.92	\$16,641.43	\$10,873.49	\$27,938.52	\$16,641.43	\$11,297.09	423.60	1.5%
	893	209,257	\$36,267.74	\$22,114.28	\$14,153.46	\$36,830.65	\$22,114.28	\$14,716.37	562.91	1.6%
	902	211,366	\$36,624.20	\$22,337.16	\$14,287.04	\$37,192.77	\$22,337.16	\$14,855.61	568.57	1.6%
	1,024	239,954	\$41,456.03	\$25,358.34	\$16,097.69	\$42,101.51	\$25,358.34	\$16,743.17	645.48	1.6%
	1,143	267,839	\$46,169.05	\$28,305.23	\$17,863.82	\$46,889.54	\$28,305.23	\$18,584.31	720.49	1.6%
	1,673	392,034	\$67,159.97	\$41,430.15	\$25,729.82	\$68,214.54	\$41,430.15	\$26,784.39	1,054.57	1.6%
	2,293	537,319	\$91,715.43	\$56,783.87	\$34,931.56	\$93,160.81	\$56,783.87	\$36,376.94	1,445.38	1.6%
AVG.USE	1,285	301,114	\$51,793.05	\$31,821.73	\$19,971.32	\$52,603.05	\$31,821.73	\$20,781.32	810.00	1.6%

2016 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER		\$900.00	PER BILL
DISTRIBUTION (DEMAND)	\$0.88	PER KW	
TRANSMISSION (DEMAND)	\$7.27		
TRANSITION (DEMAND)	\$0.00		

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.153	1.153	1.153	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000	" "

2017 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER		\$900.00	PER BILL
DISTRIBUTION (DEMAND)	\$0.88	PER KW	
TRANSMISSION (DEMAND)	\$7.27		
TRANSITION (DEMAND)	\$0.00		

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.422	1.422	1.422	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	AVERAGE 0.225 MONTHLY KVA	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	11	1,790	\$314.19	\$189.17	\$125.02	\$319.01	\$189.17	\$129.84	\$4.82	1.5%
20	14	2,260	\$395.64	\$238.82	\$156.82	\$401.72	\$238.82	\$162.90	6.08	1.5%
30	22	3,555	\$619.12	\$375.69	\$243.43	\$628.68	\$375.69	\$252.99	9.56	1.5%
40	27	4,443	\$770.46	\$469.51	\$300.95	\$782.41	\$469.51	\$312.90	11.95	1.6%
50	32	5,341	\$923.40	\$564.46	\$358.94	\$937.77	\$564.46	\$373.31	14.37	1.6%
60	46	7,535	\$1,303.72	\$796.34	\$507.38	\$1,323.99	\$796.34	\$527.65	20.27	1.6%
70	57	9,456	\$1,631.89	\$999.35	\$632.54	\$1,657.33	\$999.35	\$657.98	25.44	1.6%
80	77	12,681	\$2,188.68	\$1,340.16	\$848.52	\$2,222.79	\$1,340.16	\$882.63	34.11	1.6%
90	111	18,255	\$3,148.82	\$1,929.19	\$1,219.63	\$3,197.92	\$1,929.19	\$1,268.73	49.10	1.6%
AVG.USE	42	6,844	\$1,185.45	\$723.27	\$462.18	\$1,203.86	\$723.27	\$480.59	18.41	1.6%

2016 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2017 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	HIGH 0.325 MONTHLY KVA	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	8	1,790	\$302.73	\$189.17	\$113.56	\$307.55	\$189.17	\$118.38	\$4.82	1.6%
20	10	2,260	\$380.36	\$238.82	\$141.54	\$386.44	\$238.82	\$147.62	6.08	1.6%
30	15	3,555	\$592.38	\$375.69	\$216.69	\$601.94	\$375.69	\$226.25	9.56	1.6%
40	19	4,443	\$739.90	\$469.51	\$270.39	\$751.85	\$469.51	\$282.34	11.95	1.6%
50	23	5,341	\$889.02	\$564.46	\$324.56	\$903.39	\$564.46	\$338.93	14.37	1.6%
60	32	7,535	\$1,250.24	\$796.34	\$453.90	\$1,270.51	\$796.34	\$474.17	20.27	1.6%
70	40	9,456	\$1,566.95	\$999.35	\$567.60	\$1,592.39	\$999.35	\$593.04	25.44	1.6%
80	53	12,681	\$2,097.00	\$1,340.16	\$756.84	\$2,131.11	\$1,340.16	\$790.95	34.11	1.6%
90	77	18,255	\$3,018.94	\$1,929.19	\$1,089.75	\$3,068.04	\$1,929.19	\$1,138.85	49.10	1.6%
AVG.USE	29	6,844	\$1,135.79	\$723.27	\$412.52	\$1,154.20	\$723.27	\$430.93	18.41	1.6%

2016 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2017 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	LOW 0.125 MONTHLY KVA	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	20	1,790	\$348.57	\$189.17	\$159.40	\$353.39	\$189.17	\$164.22	\$4.82	1.4%
20	25	2,260	\$437.66	\$238.82	\$198.84	\$443.74	\$238.82	\$204.92	6.08	1.4%
30	39	3,555	\$684.06	\$375.69	\$308.37	\$693.62	\$375.69	\$317.93	9.56	1.4%
40	49	4,443	\$854.50	\$469.51	\$384.99	\$866.45	\$469.51	\$396.94	11.95	1.4%
50	59	5,341	\$1,026.54	\$564.46	\$462.08	\$1,040.91	\$564.46	\$476.45	14.37	1.4%
60	83	7,535	\$1,445.06	\$796.34	\$648.72	\$1,465.33	\$796.34	\$668.99	20.27	1.4%
70	104	9,456	\$1,811.43	\$999.35	\$812.08	\$1,836.87	\$999.35	\$837.52	25.44	1.4%
80	139	12,681	\$2,425.52	\$1,340.16	\$1,085.36	\$2,459.63	\$1,340.16	\$1,119.47	34.11	1.4%
90	200	18,255	\$3,488.80	\$1,929.19	\$1,559.61	\$3,537.90	\$1,929.19	\$1,608.71	49.10	1.4%
AVG.USE	75	6,844	\$1,311.51	\$723.27	\$588.24	\$1,329.92	\$723.27	\$606.65	18.41	1.4%

2016 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2017 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 COMMERCIAL SPACE HEATING RATE G-5

CUM % BILLS	KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		93	\$22.41	\$9.83	\$12.58	\$22.66	\$9.83	\$12.83	\$0.25	1.1%
20		194	\$40.87	\$20.50	\$20.37	\$41.39	\$20.50	\$20.89	0.52	1.3%
30		283	\$57.15	\$29.91	\$27.24	\$57.91	\$29.91	\$28.00	0.76	1.3%
40		388	\$76.34	\$41.00	\$35.34	\$77.38	\$41.00	\$36.38	1.04	1.4%
50		505	\$97.74	\$53.37	\$44.37	\$99.09	\$53.37	\$45.72	1.35	1.4%
60		689	\$131.37	\$72.81	\$58.56	\$133.23	\$72.81	\$60.42	1.86	1.4%
70		984	\$185.32	\$103.99	\$81.33	\$187.96	\$103.99	\$83.97	2.64	1.4%
80		1,490	\$277.83	\$157.46	\$120.37	\$281.84	\$157.46	\$124.38	4.01	1.4%
90		2,902	\$536.00	\$306.68	\$229.32	\$543.80	\$306.68	\$237.12	7.80	1.5%
AVG.USE		1,563	\$291.18	\$165.18	\$126.00	\$295.39	\$165.18	\$130.21	4.21	1.4%

2016 Planned

COMMERCIAL SPACE HEATING RATE G-5

DELIVERY SERVICES:

CUSTOMER \$5.40 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	3.671	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.040	" "
TRANS RATE ADJ	" "	-0.006	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2017 Planned

COMMERCIAL SPACE HEATING RATE G-5

DELIVERY SERVICES:

CUSTOMER \$5.40 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	3.671	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.040	" "
TRANS RATE ADJ	" "	-0.006	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 ALL ELECTRIC SCHOOLS RATE G-6

CUM % BILLS	KW	MONTHLY KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		7,440	\$1,215.15	\$786.26	\$428.89	\$1,235.16	\$786.26	\$448.90	\$20.01	1.6%
20		18,000	\$2,901.37	\$1,902.24	\$999.13	\$2,949.79	\$1,902.24	\$1,047.55	48.42	1.7%
30		30,000	\$4,817.53	\$3,170.40	\$1,647.13	\$4,898.23	\$3,170.40	\$1,727.83	80.70	1.7%
40		38,160	\$6,120.52	\$4,032.75	\$2,087.77	\$6,223.17	\$4,032.75	\$2,190.42	102.65	1.7%
50		44,340	\$7,107.34	\$4,685.85	\$2,421.49	\$7,226.61	\$4,685.85	\$2,540.76	119.27	1.7%
60		54,081	\$8,662.83	\$5,715.31	\$2,947.52	\$8,808.31	\$5,715.31	\$3,093.00	145.48	1.7%
70		63,240	\$10,125.29	\$6,683.20	\$3,442.09	\$10,295.41	\$6,683.20	\$3,612.21	170.12	1.7%
80		95,220	\$15,231.86	\$10,062.85	\$5,169.01	\$15,488.00	\$10,062.85	\$5,425.15	256.14	1.7%
90		125,370	\$20,046.21	\$13,249.10	\$6,797.11	\$20,383.46	\$13,249.10	\$7,134.36	337.25	1.7%
AVG.USE		88,287	\$14,124.80	\$9,330.17	\$4,794.63	\$14,362.29	\$9,330.17	\$5,032.12	237.49	1.7%

2016 Planned

ALL ELECTRIC SCHOOLS RATE G-6

DELIVERY SERVICES:

CUSTOMER \$27.13 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	1.700	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.689	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	1.428	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2017 Planned

ALL ELECTRIC SCHOOLS RATE G-6

DELIVERY SERVICES:

CUSTOMER \$27.13 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	1.700	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.689	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	AVERAGE 0.466 MONTHLY KW		TOTAL	2016 Planned SUPPLIER DELIVERY		TOTAL	2017 Planned SUPPLIER DELIVERY		DIFFERENCE	
	MONTHLY KW	KWH							AMOUNT	%
10	0	29	\$13.31	\$3.06	\$10.25	\$13.38	\$3.06	\$10.32	\$0.07	0.5%
20	1	491	\$89.42	\$51.89	\$37.53	\$90.74	\$51.89	\$38.85	1.32	1.5%
30	3	908	\$168.57	\$95.99	\$72.58	\$171.01	\$95.99	\$75.02	2.44	1.4%
40	6	1,987	\$352.58	\$209.99	\$142.59	\$357.93	\$209.99	\$147.94	5.35	1.5%
50	12	4,013	\$701.64	\$424.09	\$277.55	\$712.44	\$424.09	\$288.35	10.80	1.5%
60	25	8,483	\$1,469.60	\$896.52	\$573.08	\$1,492.42	\$896.52	\$595.90	22.82	1.6%
70	35	11,755	\$2,036.24	\$1,242.27	\$793.97	\$2,067.86	\$1,242.27	\$825.59	31.62	1.6%
80	43	14,470	\$2,503.60	\$1,529.16	\$974.44	\$2,542.52	\$1,529.16	\$1,013.36	38.92	1.6%
90	61	20,608	\$3,559.43	\$2,177.80	\$1,381.63	\$3,614.86	\$2,177.80	\$1,437.06	55.43	1.6%
AVG.USE	14	4,742	\$825.74	\$501.13	\$324.61	\$838.49	\$501.13	\$337.36	12.75	1.5%

2016 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2017 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	HIGH 0.666 MONTHLY KW	KWH	2016 Planned			2017 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	29	\$13.31	\$3.06	\$10.25	\$13.38	\$3.06	\$10.32	\$0.07	0.5%
20	1	491	\$89.42	\$51.89	\$37.53	\$90.74	\$51.89	\$38.85	1.32	1.5%
30	2	908	\$159.08	\$95.99	\$63.09	\$161.52	\$95.99	\$65.53	2.44	1.5%
40	4	1,987	\$333.60	\$209.99	\$123.61	\$338.95	\$209.99	\$128.96	5.35	1.6%
50	8	4,013	\$663.68	\$424.09	\$239.59	\$674.48	\$424.09	\$250.39	10.80	1.6%
60	17	8,483	\$1,393.68	\$896.52	\$497.16	\$1,416.50	\$896.52	\$519.98	22.82	1.6%
70	24	11,755	\$1,931.85	\$1,242.27	\$689.58	\$1,963.47	\$1,242.27	\$721.20	31.62	1.6%
80	30	14,470	\$2,380.23	\$1,529.16	\$851.07	\$2,419.15	\$1,529.16	\$889.99	38.92	1.6%
90	42	20,608	\$3,379.12	\$2,177.80	\$1,201.32	\$3,434.55	\$2,177.80	\$1,256.75	55.43	1.6%
AVG.USE	10	4,742	\$787.78	\$501.13	\$286.65	\$800.53	\$501.13	\$299.40	12.75	1.6%

2016 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK		OFF PK		CENTS/KWH
	23.66%	76.34%	23.66%	76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673			
TRANSITION	0.315	0.315	"	"	
TRANSMISSION (ENERGY)	0.000	0.000	"	"	
TRANS RATE ADJ	0.004	0.004	"	"	
DISTRIBUTION ADJ	1.428	1.428	"	"	
DEFAULT SERV ADJ	-0.032	-0.032	"	"	
DEMAND-SIDE MGT	0.250	0.250	"	"	
RENEWABLE ENERGY	0.050	0.050	"	"	

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2017 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK		OFF PK		CENTS/KWH
	23.66%	76.34%	23.66%	76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673			
TRANSITION	0.315	0.315	"	"	
TRANSMISSION (ENERGY)	0.000	0.000	"	"	
TRANS RATE ADJ	0.004	0.004	"	"	
DISTRIBUTION ADJ	1.697	1.697	"	"	
DEFAULT SERV ADJ	-0.032	-0.032	"	"	
DEMAND-SIDE MGT	0.250	0.250	"	"	
RENEWABLE ENERGY	0.050	0.050	"	"	

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	LOW 0.266 MONTHLY KW		TOTAL	2016 Planned SUPPLIER DELIVERY		TOTAL	2017 Planned SUPPLIER DELIVERY		DIFFERENCE	
	MONTHLY KW	KWH					AMOUNT	%		
10	0	29	\$13.31	\$3.06	\$10.25	\$13.38	\$3.06	\$10.32	\$0.07	0.5%
20	3	491	\$108.40	\$51.89	\$56.51	\$109.72	\$51.89	\$57.83	1.32	1.2%
30	5	908	\$187.55	\$95.99	\$91.56	\$189.99	\$95.99	\$94.00	2.44	1.3%
40	10	1,987	\$390.54	\$209.99	\$180.55	\$395.89	\$209.99	\$185.90	5.35	1.4%
50	21	4,013	\$787.05	\$424.09	\$362.96	\$797.85	\$424.09	\$373.76	10.80	1.4%
60	44	8,483	\$1,649.91	\$896.52	\$753.39	\$1,672.73	\$896.52	\$776.21	22.82	1.4%
70	61	11,755	\$2,282.98	\$1,242.27	\$1,040.71	\$2,314.60	\$1,242.27	\$1,072.33	31.62	1.4%
80	75	14,470	\$2,807.28	\$1,529.16	\$1,278.12	\$2,846.20	\$1,529.16	\$1,317.04	38.92	1.4%
90	106	20,608	\$3,986.48	\$2,177.80	\$1,808.68	\$4,041.91	\$2,177.80	\$1,864.11	55.43	1.4%
AVG.USE	24	4,742	\$920.64	\$501.13	\$419.51	\$933.39	\$501.13	\$432.26	12.75	1.4%

2016 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2017 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.172 WINTER KW		TOTAL	2016 Planned SUPPLIER	DELIVERY	TOTAL	2017 Planned SUPPLIER	DELIVERY	DIFFERENCE	
	KWH								AMOUNT	%
10	0	0	\$9.13	\$0.00	\$9.13	\$9.13	\$0.00	\$9.13	\$0.00	0.0%
20	39	4,940	\$1,062.67	\$522.06	\$540.61	\$1,075.95	\$522.06	\$553.89	13.28	1.2%
30	66	8,211	\$1,767.31	\$867.74	\$899.57	\$1,789.39	\$867.74	\$921.65	22.08	1.2%
40	79	9,901	\$2,125.68	\$1,046.34	\$1,079.34	\$2,152.31	\$1,046.34	\$1,105.97	26.63	1.3%
50	86	10,800	\$2,316.81	\$1,141.34	\$1,175.47	\$2,345.87	\$1,141.34	\$1,204.53	29.06	1.3%
60	92	11,460	\$2,462.30	\$1,211.09	\$1,251.21	\$2,493.13	\$1,211.09	\$1,282.04	30.83	1.3%
70	100	12,560	\$2,692.80	\$1,327.34	\$1,365.46	\$2,726.58	\$1,327.34	\$1,399.24	33.78	1.3%
80	116	14,540	\$3,117.27	\$1,536.59	\$1,580.68	\$3,156.39	\$1,536.59	\$1,619.80	39.12	1.3%
90	138	17,280	\$3,703.83	\$1,826.15	\$1,877.68	\$3,750.31	\$1,826.15	\$1,924.16	46.48	1.3%
AVG.USE	4	532	\$121.39	\$56.22	\$65.17	\$122.82	\$56.22	\$66.60	1.43	1.2%

2016 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK		OFF PK	CENTS/KWH
	21.97%	78.03%		
DISTRIBUTION (ENERGY)	4.546	3.833		
TRANSITION	0.315	0.315	" "	
TRANSMISSION (ENERGY)	0.000	0.000	" "	
TRANS RATE ADJ	0.029	0.029	" "	
DISTRIBUTION ADJ	1.428	1.428	" "	
DEFAULT SERV ADJ	-0.032	-0.032	" "	
DEMAND-SIDE MGT	0.250	0.250	" "	
RENEWABLE ENERGY	0.050	0.050	" "	

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2017 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK		OFF PK	CENTS/KWH
	21.97%	78.03%		
DISTRIBUTION (ENERGY)	4.546	3.833		
TRANSITION	0.315	0.315	" "	
TRANSMISSION (ENERGY)	0.000	0.000	" "	
TRANS RATE ADJ	0.029	0.029	" "	
DISTRIBUTION ADJ	1.697	1.697	" "	
DEFAULT SERV ADJ	-0.032	-0.032	" "	
DEMAND-SIDE MGT	0.250	0.250	" "	
RENEWABLE ENERGY	0.050	0.050	" "	

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.172 SUMMER KW		TOTAL	2016 Planned SUPPLIER DELIVERY		TOTAL	2017 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH	KWH					AMOUNT	%		
10	0	0	\$9.13	\$0.00	\$9.13	\$9.13	\$0.00	\$9.13	\$0.00	0.0%
20	62	7,745	\$1,666.00	\$818.49	\$847.51	\$1,686.83	\$818.49	\$868.34	20.83	1.3%
30	82	10,320	\$2,213.19	\$1,090.62	\$1,122.57	\$2,240.95	\$1,090.62	\$1,150.33	27.76	1.3%
40	96	11,989	\$2,574.07	\$1,267.00	\$1,307.07	\$2,606.32	\$1,267.00	\$1,339.32	32.25	1.3%
50	102	12,756	\$2,737.30	\$1,348.05	\$1,389.25	\$2,771.62	\$1,348.05	\$1,423.57	34.32	1.3%
60	108	13,523	\$2,900.55	\$1,429.11	\$1,471.44	\$2,936.93	\$1,429.11	\$1,507.82	36.38	1.3%
70	114	14,290	\$3,063.80	\$1,510.17	\$1,553.63	\$3,102.24	\$1,510.17	\$1,592.07	38.44	1.3%
80	119	14,924	\$3,198.98	\$1,577.17	\$1,621.81	\$3,239.12	\$1,577.17	\$1,661.95	40.14	1.3%
90	124	15,532	\$3,329.84	\$1,641.42	\$1,688.42	\$3,371.62	\$1,641.42	\$1,730.20	41.78	1.3%
AVG.USE	7	919	\$203.59	\$97.12	\$106.47	\$206.06	\$97.12	\$108.94	2.47	1.2%

2016 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK 21.97%	OFF PK 78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.428	1.428	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2017 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK 21.97%	OFF PK 78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL RATE R-1

CUM % BILLS	KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		160	\$35.81	\$16.26	\$19.55	\$35.76	\$16.26	\$19.50	(\$0.05)	-0.1%
20		230	\$49.84	\$23.37	\$26.47	\$49.77	\$23.37	\$26.40	(0.07)	-0.1%
30		306	\$65.07	\$31.09	\$33.98	\$64.98	\$31.09	\$33.89	(0.09)	-0.1%
40		382	\$80.31	\$38.81	\$41.50	\$80.19	\$38.81	\$41.38	(0.12)	-0.1%
50		464	\$96.75	\$47.14	\$49.61	\$96.60	\$47.14	\$49.46	(0.15)	-0.2%
60		555	\$114.99	\$56.39	\$58.60	\$114.82	\$56.39	\$58.43	(0.17)	-0.1%
70		660	\$136.04	\$67.06	\$68.98	\$135.83	\$67.06	\$68.77	(0.21)	-0.2%
80		793	\$162.70	\$80.57	\$82.13	\$162.45	\$80.57	\$81.88	(0.25)	-0.2%
90		997	\$203.60	\$101.30	\$102.30	\$203.28	\$101.30	\$101.98	(0.32)	-0.2%
AVG.USE		584	\$120.80	\$59.33	\$61.47	\$120.61	\$59.33	\$61.28	(0.19)	-0.2%

2017 Planned

RESIDENTIAL RATE R-1 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.298	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

RESIDENTIAL RATE R-1 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.266	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SEASONAL RATE R-1

CUM % BILLS	KW	WINTER KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		14	\$7.29	\$1.42	\$5.87	\$7.28	\$1.42	\$5.86	(\$0.01)	-0.1%
20		23	\$9.58	\$2.34	\$7.24	\$9.58	\$2.34	\$7.24	0.00	0.0%
30		34	\$12.37	\$3.45	\$8.92	\$12.36	\$3.45	\$8.91	(0.01)	-0.1%
40		46	\$15.43	\$4.67	\$10.76	\$15.41	\$4.67	\$10.74	(0.02)	-0.1%
50		65	\$20.26	\$6.60	\$13.66	\$20.24	\$6.60	\$13.64	(0.02)	-0.1%
60		90	\$26.62	\$9.14	\$17.48	\$26.59	\$9.14	\$17.45	(0.03)	-0.1%
70		125	\$35.53	\$12.70	\$22.83	\$35.49	\$12.70	\$22.79	(0.04)	-0.1%
80		179	\$49.27	\$18.19	\$31.08	\$49.21	\$18.19	\$31.02	(0.06)	-0.1%
90		287	\$76.74	\$29.16	\$47.58	\$76.65	\$29.16	\$47.49	(0.09)	-0.1%
AVG.USE		141	\$39.60	\$14.33	\$25.27	\$39.56	\$14.33	\$25.23	(0.04)	-0.1%

2017 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.298	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.266	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SEASONAL RATE R-1

CUM % BILLS	KW	SUMMER KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		80	\$24.08	\$8.13	\$15.95	\$24.06	\$8.13	\$15.93	(\$0.02)	-0.1%
20		123	\$35.02	\$12.50	\$22.52	\$34.98	\$12.50	\$22.48	(0.04)	-0.1%
30		163	\$45.19	\$16.56	\$28.63	\$45.14	\$16.56	\$28.58	(0.05)	-0.1%
40		208	\$56.64	\$21.13	\$35.51	\$56.57	\$21.13	\$35.44	(0.07)	-0.1%
50		261	\$70.13	\$26.52	\$43.61	\$70.04	\$26.52	\$43.52	(0.09)	-0.1%
60		328	\$87.17	\$33.32	\$53.85	\$87.06	\$33.32	\$53.74	(0.11)	-0.1%
70		417	\$109.81	\$42.37	\$67.44	\$109.68	\$42.37	\$67.31	(0.13)	-0.1%
80		543	\$141.86	\$55.17	\$86.69	\$141.69	\$55.17	\$86.52	(0.17)	-0.1%
90		739	\$191.72	\$75.08	\$116.64	\$191.49	\$75.08	\$116.41	(0.23)	-0.1%
AVG.USE		401	\$105.74	\$40.74	\$65.00	\$105.61	\$40.74	\$64.87	(0.13)	-0.1%

2017 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.298	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.266	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE RATE R-2 (R1)

CUM % BILLS	KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		146	\$23.83	\$11.50	\$12.33	\$23.85	\$11.50	\$12.35	\$0.02	0.1%
20		194	\$30.71	\$15.28	\$15.43	\$30.73	\$15.28	\$15.45	0.02	0.1%
30		243	\$37.73	\$19.13	\$18.60	\$37.76	\$19.13	\$18.63	0.03	0.1%
40		293	\$44.90	\$23.07	\$21.83	\$44.94	\$23.07	\$21.87	0.04	0.1%
50		350	\$53.07	\$27.56	\$25.51	\$53.12	\$27.56	\$25.56	0.05	0.1%
60		416	\$62.54	\$32.76	\$29.78	\$62.59	\$32.76	\$29.83	0.05	0.1%
70		497	\$74.14	\$39.13	\$35.01	\$74.21	\$39.13	\$35.08	0.07	0.1%
80		608	\$90.05	\$47.87	\$42.18	\$90.13	\$47.87	\$42.26	0.08	0.1%
90		785	\$115.43	\$61.81	\$53.62	\$115.54	\$61.81	\$53.73	0.11	0.1%
AVG.USE		483	\$72.14	\$38.03	\$34.11	\$72.20	\$38.03	\$34.17	0.06	0.1%

2017 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.750	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 22.5%

2018 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.767	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 22.5%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE SEASONAL RATE R-2 (R1S)

CUM % BILLS	KW	WINTER KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		17	\$5.68	\$1.26	\$4.42	\$5.68	\$1.26	\$4.42	\$0.00	0.0%
20		42	\$10.03	\$3.11	\$6.92	\$10.04	\$3.11	\$6.93	0.01	0.1%
30		91	\$18.57	\$6.74	\$11.83	\$18.58	\$6.74	\$11.84	0.01	0.1%
40		155	\$29.72	\$11.48	\$18.24	\$29.74	\$11.48	\$18.26	0.02	0.1%
50		171	\$32.51	\$12.67	\$19.84	\$32.53	\$12.67	\$19.86	0.02	0.1%
60		267	\$49.23	\$19.78	\$29.45	\$49.26	\$19.78	\$29.48	0.03	0.1%
70		344	\$62.64	\$25.48	\$37.16	\$62.68	\$25.48	\$37.20	0.04	0.1%
80		395	\$71.53	\$29.26	\$42.27	\$71.58	\$29.26	\$42.32	0.05	0.1%
90		624	\$111.41	\$46.22	\$65.19	\$111.49	\$46.22	\$65.27	0.08	0.1%
AVG.USE		313	\$57.24	\$23.18	\$34.06	\$57.28	\$23.18	\$34.10	0.04	0.1%

2017 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.750	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

2018 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.767	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE SEASONAL RATE R-2 (R1S)

CUM % BILLS	KW	SUMMER KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		122	\$23.97	\$9.04	\$14.93	\$23.99	\$9.04	\$14.95	\$0.02	0.1%
20		172	\$32.68	\$12.74	\$19.94	\$32.70	\$12.74	\$19.96	0.02	0.1%
30		273	\$50.27	\$20.22	\$30.05	\$50.31	\$20.22	\$30.09	0.04	0.1%
40		298	\$54.63	\$22.07	\$32.56	\$54.66	\$22.07	\$32.59	0.03	0.1%
50		342	\$62.29	\$25.33	\$36.96	\$62.33	\$25.33	\$37.00	0.04	0.1%
60		326	\$59.51	\$24.15	\$35.36	\$59.55	\$24.15	\$35.40	0.04	0.1%
70		390	\$70.66	\$28.89	\$41.77	\$70.70	\$28.89	\$41.81	0.04	0.1%
80		516	\$92.60	\$38.22	\$54.38	\$92.67	\$38.22	\$54.45	0.07	0.1%
90		756	\$134.40	\$55.99	\$78.41	\$134.49	\$55.99	\$78.50	0.09	0.1%
AVG.USE		385	\$69.79	\$28.52	\$41.27	\$69.83	\$28.52	\$41.31	0.04	0.1%

2017 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.750	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

2018 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.767	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SPACE HEATING RATE R-3

CUM % BILLS	KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		215	\$48.25	\$21.84	\$26.41	\$48.18	\$21.84	\$26.34	(\$0.07)	-0.1%
20		328	\$68.34	\$33.32	\$35.02	\$68.23	\$33.32	\$34.91	(0.11)	-0.2%
30		451	\$90.21	\$45.82	\$44.39	\$90.06	\$45.82	\$44.24	(0.15)	-0.2%
40		568	\$111.01	\$57.71	\$53.30	\$110.83	\$57.71	\$53.12	(0.18)	-0.2%
50		690	\$132.69	\$70.10	\$62.59	\$132.47	\$70.10	\$62.37	(0.22)	-0.2%
60		824	\$156.52	\$83.72	\$72.80	\$156.26	\$83.72	\$72.54	(0.26)	-0.2%
70		982	\$184.61	\$99.77	\$84.84	\$184.29	\$99.77	\$84.52	(0.32)	-0.2%
80		1,184	\$220.52	\$120.29	\$100.23	\$220.14	\$120.29	\$99.85	(0.38)	-0.2%
90		1,489	\$274.74	\$151.28	\$123.46	\$274.27	\$151.28	\$122.99	(0.47)	-0.2%
AVG.USE		859	\$162.74	\$87.27	\$75.47	\$162.46	\$87.27	\$75.19	(0.28)	-0.2%

2017 Planned

RES SPACE HEATING RATE R-3

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.111	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

RES SPACE HEATING RATE R-3

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.079	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RES ASSISTANCE SPACE HEATING RATE R-4 (R3)

CUM % BILLS	KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		349	\$53.54	\$28.47	\$25.07	\$53.58	\$28.47	\$25.11	\$0.04	0.1%
20		455	\$67.35	\$37.12	\$30.23	\$67.41	\$37.12	\$30.29	0.06	0.1%
30		551	\$79.86	\$44.95	\$34.91	\$79.94	\$44.95	\$34.99	0.08	0.1%
40		639	\$91.33	\$52.13	\$39.20	\$91.42	\$52.13	\$39.29	0.09	0.1%
50		752	\$106.06	\$61.35	\$44.71	\$106.16	\$61.35	\$44.81	0.10	0.1%
60		877	\$122.35	\$71.55	\$50.80	\$122.47	\$71.55	\$50.92	0.12	0.1%
70		1,036	\$143.07	\$84.52	\$58.55	\$143.21	\$84.52	\$58.69	0.14	0.1%
80		1,234	\$168.88	\$100.68	\$68.20	\$169.05	\$100.68	\$68.37	0.17	0.1%
90		1,523	\$206.54	\$124.25	\$82.29	\$206.75	\$124.25	\$82.50	0.21	0.1%
AVG.USE		934	\$129.78	\$76.20	\$53.58	\$129.91	\$76.20	\$53.71	0.13	0.1%

2017 Planned

RES ASSISTANCE SPACE HEATING RATE R-4

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.563	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "
LOW INCOME DISCOUNT		19.7%	

2018 Planned

RES ASSISTANCE SPACE HEATING RATE R-4

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.580	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "
LOW INCOME DISCOUNT		19.7%	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 CONTROLLED WATER HEATING RATE R-5

CUM % BILLS	KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		43	\$7.79	\$4.37	\$3.42	\$7.78	\$4.37	\$3.41	(\$0.01)	-0.1%
20		69	\$12.50	\$7.01	\$5.49	\$12.48	\$7.01	\$5.47	(0.02)	-0.2%
30		93	\$16.85	\$9.45	\$7.40	\$16.82	\$9.45	\$7.37	(0.03)	-0.2%
40		118	\$21.38	\$11.99	\$9.39	\$21.35	\$11.99	\$9.36	(0.03)	-0.1%
50		147	\$26.64	\$14.94	\$11.70	\$26.60	\$14.94	\$11.66	(0.04)	-0.2%
60		178	\$32.25	\$18.08	\$14.17	\$32.19	\$18.08	\$14.11	(0.06)	-0.2%
70		214	\$38.78	\$21.74	\$17.04	\$38.71	\$21.74	\$16.97	(0.07)	-0.2%
80		261	\$47.30	\$26.52	\$20.78	\$47.21	\$26.52	\$20.69	(0.09)	-0.2%
90		331	\$59.98	\$33.63	\$26.35	\$59.87	\$33.63	\$26.24	(0.11)	-0.2%
AVG.USE		187	\$33.89	\$19.00	\$14.89	\$33.83	\$19.00	\$14.83	(0.06)	-0.2%

2017 Planned

CONT WATER HEATING RATE R-5

DELIVERY SERVICES:

CUSTOMER		\$0.00	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.227	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.872	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.298	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

CONT WATER HEATING RATE R-5

DELIVERY SERVICES:

CUSTOMER		\$0.00	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.227	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.872	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.266	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL TOU RATE R-6

CUM % BILLS	KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		296	\$63.09	\$30.07	\$33.02	\$63.00	\$30.07	\$32.93	(\$0.09)	-0.1%
20		405	\$83.63	\$41.15	\$42.48	\$83.50	\$41.15	\$42.35	(0.13)	-0.2%
30		493	\$100.21	\$50.09	\$50.12	\$100.05	\$50.09	\$49.96	(0.16)	-0.2%
40		566	\$113.97	\$57.51	\$56.46	\$113.79	\$57.51	\$56.28	(0.18)	-0.2%
50		653	\$130.35	\$66.34	\$64.01	\$130.14	\$66.34	\$63.80	(0.21)	-0.2%
60		813	\$160.50	\$82.60	\$77.90	\$160.24	\$82.60	\$77.64	(0.26)	-0.2%
70		974	\$190.83	\$98.96	\$91.87	\$190.52	\$98.96	\$91.56	(0.31)	-0.2%
80		1,295	\$251.31	\$131.57	\$119.74	\$250.89	\$131.57	\$119.32	(0.42)	-0.2%
90		2,096	\$402.21	\$212.95	\$189.26	\$401.54	\$212.95	\$188.59	(0.67)	-0.2%
AVG.USE		1,049	\$204.96	\$106.58	\$98.38	\$204.63	\$106.58	\$98.05	(0.33)	-0.2%

2017 Planned

RESIDENTIAL TOU RATE R-6

DELIVERY SERVICES:

CUSTOMER	\$7.33		PER BILL
	PEAK	OFF-PEAK	
	20.58%	79.42%	
DISTRIBUTION (ENERGY)	14.645	1.198	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	1.851	1.851	" "
TRANS RATE ADJ	0.002	0.002	" "
DISTRIBUTION ADJ	2.298	2.298	" "
DEFAULT SERV ADJ	-0.051	-0.051	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.160	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

RESIDENTIAL TOU RATE R-6

DELIVERY SERVICES:

CUSTOMER	\$7.33		PER BILL
	PEAK	OFF-PEAK	
	20.58%	79.42%	
DISTRIBUTION (ENERGY)	14.645	1.198	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	1.851	1.851	" "
TRANS RATE ADJ	0.002	0.002	" "
DISTRIBUTION ADJ	2.266	2.266	" "
DEFAULT SERV ADJ	-0.051	-0.051	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.160	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	AVERAGE 0.408		TOTAL	2017 Planned		TOTAL	2018 Planned		DIFFERENCE	
	MONTHLY KW	MONTHLY KWH		SUPPLIER	DELIVERY		SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$8.00	\$1.37	\$6.63	\$8.02	\$1.37	\$6.65	\$0.02	0.2%
20	0	82	\$21.06	\$8.62	\$12.44	\$21.18	\$8.62	\$12.56	0.12	0.6%
30	1	186	\$40.88	\$19.62	\$21.26	\$41.15	\$19.62	\$21.53	0.27	0.7%
40	1	335	\$69.41	\$35.45	\$33.96	\$69.90	\$35.45	\$34.45	0.49	0.7%
50	2	525	\$105.52	\$55.49	\$50.03	\$106.29	\$55.49	\$50.80	0.77	0.7%
60	3	826	\$162.80	\$87.28	\$75.52	\$164.02	\$87.28	\$76.74	1.22	0.7%
70	4	1,275	\$248.27	\$134.71	\$113.56	\$250.14	\$134.71	\$115.43	1.87	0.8%
80	8	2,351	\$451.80	\$248.49	\$203.31	\$455.25	\$248.49	\$206.76	3.45	0.8%
90	17	4,950	\$904.63	\$523.13	\$381.50	\$911.91	\$523.13	\$388.78	7.28	0.8%
AVG.USE	8	2,396	\$458.99	\$253.21	\$205.78	\$462.51	\$253.21	\$209.30	3.52	0.8%

2017 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.697	1.697		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.844	1.844		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	HIGH 0.508 MONTHLY KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$8.00	\$1.37	\$6.63	\$8.02	\$1.37	\$6.65	\$0.02	0.2%
20	0	82	\$21.06	\$8.62	\$12.44	\$21.18	\$8.62	\$12.56	0.12	0.6%
30	1	186	\$40.88	\$19.62	\$21.26	\$41.15	\$19.62	\$21.53	0.27	0.7%
40	1	335	\$69.41	\$35.45	\$33.96	\$69.90	\$35.45	\$34.45	0.49	0.7%
50	1	525	\$105.52	\$55.49	\$50.03	\$106.29	\$55.49	\$50.80	0.77	0.7%
60	2	826	\$162.80	\$87.28	\$75.52	\$164.02	\$87.28	\$76.74	1.22	0.7%
70	3	1,275	\$248.27	\$134.71	\$113.56	\$250.14	\$134.71	\$115.43	1.87	0.8%
80	6	2,351	\$451.80	\$248.49	\$203.31	\$455.25	\$248.49	\$206.76	3.45	0.8%
90	13	4,950	\$885.19	\$523.13	\$362.06	\$892.47	\$523.13	\$369.34	7.28	0.8%
AVG.USE	6	2,396	\$458.99	\$253.21	\$205.78	\$462.51	\$253.21	\$209.30	3.52	0.8%

2017 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.697	1.697		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.844	1.844		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	LOW 0.308 MONTHLY KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$8.00	\$1.37	\$6.63	\$8.02	\$1.37	\$6.65	\$0.02	0.2%
20	0	82	\$21.06	\$8.62	\$12.44	\$21.18	\$8.62	\$12.56	0.12	0.6%
30	1	186	\$40.88	\$19.62	\$21.26	\$41.15	\$19.62	\$21.53	0.27	0.7%
40	1	335	\$69.41	\$35.45	\$33.96	\$69.90	\$35.45	\$34.45	0.49	0.7%
50	2	525	\$105.52	\$55.49	\$50.03	\$106.29	\$55.49	\$50.80	0.77	0.7%
60	4	826	\$162.80	\$87.28	\$75.52	\$164.02	\$87.28	\$76.74	1.22	0.7%
70	6	1,275	\$248.27	\$134.71	\$113.56	\$250.14	\$134.71	\$115.43	1.87	0.8%
80	10	2,351	\$451.80	\$248.49	\$203.31	\$455.25	\$248.49	\$206.76	3.45	0.8%
90	22	4,950	\$928.93	\$523.13	\$405.80	\$936.21	\$523.13	\$413.08	7.28	0.8%
AVG.USE	11	2,396	\$463.85	\$253.21	\$210.64	\$467.37	\$253.21	\$214.16	3.52	0.8%

2017 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>	
DISTRIBUTION (DEMAND)	\$0.00	\$4.86	PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00	
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>	
DISTRIBUTION (ENERGY)	4.132	1.205	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	2.060	2.060	" "
TRANS RATE ADJ	0.003	0.003	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>	
DISTRIBUTION (DEMAND)	\$0.00	\$4.86	PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00	
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>	
DISTRIBUTION (ENERGY)	4.132	1.205	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	2.060	2.060	" "
TRANS RATE ADJ	0.003	0.003	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.248 WINTER KW		TOTAL	2017 Planned SUPPLIER DELIVERY		TOTAL	2018 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH						AMOUNT	%		
10	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	\$0.00	0.0%
20	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
30	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
40	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
50	0	7	\$7.15	\$0.74	\$6.41	\$7.16	\$0.74	\$6.42	0.01	0.1%
60	0	47	\$16.42	\$4.97	\$11.45	\$16.49	\$4.97	\$11.52	0.07	0.4%
70	1	140	\$37.98	\$14.80	\$23.18	\$38.18	\$14.80	\$23.38	0.20	0.5%
80	2	377	\$92.89	\$39.84	\$53.05	\$93.44	\$39.84	\$53.60	0.55	0.6%
90	6	1,009	\$239.33	\$106.63	\$132.70	\$240.82	\$106.63	\$134.19	1.49	0.6%
AVG.USE	3	539	\$130.43	\$56.96	\$73.47	\$131.22	\$56.96	\$74.26	0.79	0.6%

2017 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.697	1.697		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.844	1.844		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.248 SUMMER KW		TOTAL	2017 Planned SUPPLIER DELIVERY		TOTAL	2018 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH	KWH							AMOUNT	%
10	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	\$0.00	0.0%
20	0	24	\$11.09	\$2.54	\$8.55	\$11.13	\$2.54	\$8.59	0.04	0.4%
30	1	102	\$29.17	\$10.78	\$18.39	\$29.32	\$10.78	\$18.54	0.15	0.5%
40	1	238	\$60.68	\$25.15	\$35.53	\$61.03	\$25.15	\$35.88	0.35	0.6%
50	2	446	\$108.87	\$47.13	\$61.74	\$109.53	\$47.13	\$62.40	0.66	0.6%
60	4	755	\$180.48	\$79.79	\$100.69	\$181.59	\$79.79	\$101.80	1.11	0.6%
70	7	1,256	\$296.57	\$132.73	\$163.84	\$298.41	\$132.73	\$165.68	1.84	0.6%
80	13	2,265	\$519.20	\$239.37	\$279.83	\$522.53	\$239.37	\$283.16	3.33	0.6%
90	28	5,062	\$1,086.94	\$534.95	\$551.99	\$1,094.38	\$534.95	\$559.43	7.44	0.7%
AVG.USE	9	1,605	\$377.44	\$169.62	\$207.82	\$379.80	\$169.62	\$210.18	2.36	0.6%

2017 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.697	1.697		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.844	1.844		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	AVERAGE 0.512 MONTHLY KVA	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	37,403	\$6,462.82	\$3,952.75	\$2,510.07	\$6,517.81	\$3,952.75	\$2,565.06	\$54.99	0.9%
	150	56,105	\$9,514.24	\$5,929.18	\$3,585.06	\$9,596.72	\$5,929.18	\$3,667.54	82.48	0.9%
	200	74,807	\$12,565.65	\$7,905.60	\$4,660.05	\$12,675.62	\$7,905.60	\$4,770.02	109.97	0.9%
	250	93,508	\$15,616.94	\$9,881.93	\$5,735.01	\$15,754.39	\$9,881.93	\$5,872.46	137.45	0.9%
	300	112,210	\$18,668.35	\$11,858.35	\$6,810.00	\$18,833.30	\$11,858.35	\$6,974.95	164.95	0.9%
	350	130,912	\$21,719.77	\$13,834.78	\$7,884.99	\$21,912.21	\$13,834.78	\$8,077.43	192.44	0.9%
	400	149,613	\$24,771.04	\$15,811.10	\$8,959.94	\$24,990.97	\$15,811.10	\$9,179.87	219.93	0.9%
	450	168,315	\$27,822.46	\$17,787.53	\$10,034.93	\$28,069.88	\$17,787.53	\$10,282.35	247.42	0.9%
	500	187,017	\$30,873.88	\$19,763.96	\$11,109.92	\$31,148.80	\$19,763.96	\$11,384.84	274.92	0.9%
AVG.USE	272	101,737	\$16,959.58	\$10,751.57	\$6,208.01	\$17,109.13	\$10,751.57	\$6,357.56	149.55	0.9%

2017 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.504	1.504	1.504		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

2018 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.651	1.651	1.651		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	HIGH 0.712 MONTHLY KVA	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	51,976	\$8,541.72	\$5,492.82	\$3,048.90	\$8,618.12	\$5,492.82	\$3,125.30	\$76.40	0.9%
	150	77,964	\$12,632.52	\$8,239.24	\$4,393.28	\$12,747.13	\$8,239.24	\$4,507.89	114.61	0.9%
	200	103,952	\$16,723.32	\$10,985.65	\$5,737.67	\$16,876.12	\$10,985.65	\$5,890.47	152.80	0.9%
	250	129,940	\$20,814.11	\$13,732.06	\$7,082.05	\$21,005.12	\$13,732.06	\$7,273.06	191.01	0.9%
	300	155,928	\$24,904.90	\$16,478.47	\$8,426.43	\$25,134.12	\$16,478.47	\$8,655.65	229.22	0.9%
	350	181,916	\$28,995.70	\$19,224.88	\$9,770.82	\$29,263.11	\$19,224.88	\$10,038.23	267.41	0.9%
	400	207,904	\$33,086.49	\$21,971.29	\$11,115.20	\$33,392.11	\$21,971.29	\$11,420.82	305.62	0.9%
	450	233,892	\$37,177.29	\$24,717.71	\$12,459.58	\$37,521.12	\$24,717.71	\$12,803.41	343.83	0.9%
	500	259,880	\$41,268.09	\$27,464.12	\$13,803.97	\$41,650.11	\$27,464.12	\$14,185.99	382.02	0.9%
AVG.USE	272	141,375	\$22,614.10	\$14,940.51	\$7,673.59	\$22,821.92	\$14,940.51	\$7,881.41	207.82	0.9%

2017 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.504	1.504	1.504		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

2018 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.651	1.651	1.651		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	LOW 0.312 MONTHLY KVA	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	22,776	\$4,376.22	\$2,406.97	\$1,969.25	\$4,409.70	\$2,406.97	\$2,002.73	\$33.48	0.8%
	150	34,164	\$6,384.26	\$3,610.45	\$2,773.81	\$6,434.49	\$3,610.45	\$2,824.04	50.23	0.8%
	200	45,552	\$8,392.32	\$4,813.94	\$3,578.38	\$8,459.28	\$4,813.94	\$3,645.34	66.96	0.8%
	250	56,940	\$10,400.36	\$6,017.42	\$4,382.94	\$10,484.06	\$6,017.42	\$4,466.64	83.70	0.8%
	300	68,328	\$12,408.40	\$7,220.90	\$5,187.50	\$12,508.84	\$7,220.90	\$5,287.94	100.44	0.8%
	350	79,716	\$14,416.45	\$8,424.39	\$5,992.06	\$14,533.63	\$8,424.39	\$6,109.24	117.18	0.8%
	400	91,104	\$16,424.49	\$9,627.87	\$6,796.62	\$16,558.41	\$9,627.87	\$6,930.54	133.92	0.8%
	450	102,492	\$18,432.53	\$10,831.35	\$7,601.18	\$18,583.20	\$10,831.35	\$7,751.85	150.67	0.8%
	500	113,880	\$20,440.58	\$12,034.84	\$8,405.74	\$20,607.99	\$12,034.84	\$8,573.15	167.41	0.8%
AVG.USE	272	61,951	\$11,283.93	\$6,546.98	\$4,736.95	\$11,375.00	\$6,546.98	\$4,828.02	91.07	0.8%

2017 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.504	1.504	1.504	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

2018 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.651	1.651	1.651	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	AVERAGE 0.521 MONTHLY KVA		TOTAL	2017 Planned SUPPLIER	DELIVERY	TOTAL	2018 Planned SUPPLIER	DELIVERY	DIFFERENCE	
	KWH								AMOUNT	%
	419	159,358	\$26,135.08	\$16,840.95	\$9,294.13	\$26,369.33	\$16,840.95	\$9,528.38	\$234.25	0.9%
	490	186,362	\$30,411.28	\$19,694.74	\$10,716.54	\$30,685.23	\$19,694.74	\$10,990.49	273.95	0.9%
	672	255,582	\$41,372.59	\$27,009.91	\$14,362.68	\$41,748.30	\$27,009.91	\$14,738.39	375.71	0.9%
	893	339,635	\$54,682.77	\$35,892.63	\$18,790.14	\$55,182.03	\$35,892.63	\$19,289.40	499.26	0.9%
	902	343,058	\$55,224.81	\$36,254.37	\$18,970.44	\$55,729.11	\$36,254.37	\$19,474.74	504.30	0.9%
	1,024	389,458	\$62,572.47	\$41,157.92	\$21,414.55	\$63,144.97	\$41,157.92	\$21,987.05	572.50	0.9%
	1,143	434,717	\$69,739.45	\$45,940.89	\$23,798.56	\$70,378.48	\$45,940.89	\$24,437.59	639.03	0.9%
	1,673	636,292	\$101,659.78	\$67,243.34	\$34,416.44	\$102,595.13	\$67,243.34	\$35,351.79	935.35	0.9%
	2,293	872,097	\$139,000.58	\$92,163.21	\$46,837.37	\$140,282.56	\$92,163.21	\$48,119.35	1,281.98	0.9%
AVG.USE	1,285	488,724	\$78,291.70	\$51,648.35	\$26,643.35	\$79,010.13	\$51,648.35	\$27,361.78	718.43	0.9%

2017 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.422	1.422	1.422	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2018 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.569	1.569	1.569	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	HIGH 0.721 MONTHLY KVA	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	220,532	\$34,511.38	\$23,305.82	\$11,205.56	\$34,835.56	\$23,305.82	\$11,529.74	\$324.18	0.9%
	490	257,902	\$40,206.95	\$27,255.08	\$12,951.87	\$40,586.07	\$27,255.08	\$13,330.99	379.12	0.9%
	672	353,694	\$54,806.65	\$37,378.38	\$17,428.27	\$55,326.58	\$37,378.38	\$17,948.20	519.93	0.9%
	893	470,013	\$72,534.88	\$49,670.97	\$22,863.91	\$73,225.80	\$49,670.97	\$23,554.83	690.92	1.0%
	902	474,750	\$73,256.85	\$50,171.58	\$23,085.27	\$73,954.73	\$50,171.58	\$23,783.15	697.88	1.0%
	1,024	538,962	\$83,043.43	\$56,957.50	\$26,085.93	\$83,835.71	\$56,957.50	\$26,878.21	792.28	1.0%
	1,143	601,595	\$92,589.36	\$63,576.56	\$29,012.80	\$93,473.71	\$63,576.56	\$29,897.15	884.35	1.0%
	1,673	880,550	\$135,105.01	\$93,056.52	\$42,048.49	\$136,399.42	\$93,056.52	\$43,342.90	1,294.41	1.0%
	2,293	1,206,875	\$184,840.35	\$127,542.55	\$57,297.80	\$186,614.45	\$127,542.55	\$59,071.90	1,774.10	1.0%
AVG.USE	1,285	676,334	\$103,980.37	\$71,474.98	\$32,505.39	\$104,974.58	\$71,474.98	\$33,499.60	994.21	1.0%

2017 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.422	1.422	1.422	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000	" "

2018 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.569	1.569	1.569	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	LOW 0.321 MONTHLY KVA	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	98,184	\$17,758.78	\$10,376.09	\$7,382.69	\$17,903.11	\$10,376.09	\$7,527.02	\$144.33	0.8%
	490	114,822	\$20,615.60	\$12,134.39	\$8,481.21	\$20,784.39	\$12,134.39	\$8,650.00	168.79	0.8%
	672	157,470	\$27,938.52	\$16,641.43	\$11,297.09	\$28,170.00	\$16,641.43	\$11,528.57	231.48	0.8%
	893	209,257	\$36,830.65	\$22,114.28	\$14,716.37	\$37,138.25	\$22,114.28	\$15,023.97	307.60	0.8%
	902	211,366	\$37,192.77	\$22,337.16	\$14,855.61	\$37,503.48	\$22,337.16	\$15,166.32	310.71	0.8%
	1,024	239,954	\$42,101.51	\$25,358.34	\$16,743.17	\$42,454.24	\$25,358.34	\$17,095.90	352.73	0.8%
	1,143	267,839	\$46,889.54	\$28,305.23	\$18,584.31	\$47,283.26	\$28,305.23	\$18,978.03	393.72	0.8%
	1,673	392,034	\$68,214.54	\$41,430.15	\$26,784.39	\$68,790.83	\$41,430.15	\$27,360.68	576.29	0.8%
	2,293	537,319	\$93,160.81	\$56,783.87	\$36,376.94	\$93,950.67	\$56,783.87	\$37,166.80	789.86	0.8%
AVG.USE	1,285	301,114	\$52,603.05	\$31,821.73	\$20,781.32	\$53,045.68	\$31,821.73	\$21,223.95	442.63	0.8%

2017 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.422	1.422	1.422	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2018 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.569	1.569	1.569	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	AVERAGE 0.225 MONTHLY KVA	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	11	1,790	\$319.01	\$189.17	\$129.84	\$321.64	\$189.17	\$132.47	\$2.63	0.8%
20	14	2,260	\$401.72	\$238.82	\$162.90	\$405.04	\$238.82	\$166.22	3.32	0.8%
30	22	3,555	\$628.68	\$375.69	\$252.99	\$633.91	\$375.69	\$258.22	5.23	0.8%
40	27	4,443	\$782.41	\$469.51	\$312.90	\$788.94	\$469.51	\$319.43	6.53	0.8%
50	32	5,341	\$937.77	\$564.46	\$373.31	\$945.62	\$564.46	\$381.16	7.85	0.8%
60	46	7,535	\$1,323.99	\$796.34	\$527.65	\$1,335.07	\$796.34	\$538.73	11.08	0.8%
70	57	9,456	\$1,657.33	\$999.35	\$657.98	\$1,671.23	\$999.35	\$671.88	13.90	0.8%
80	77	12,681	\$2,222.79	\$1,340.16	\$882.63	\$2,241.43	\$1,340.16	\$901.27	18.64	0.8%
90	111	18,255	\$3,197.92	\$1,929.19	\$1,268.73	\$3,224.76	\$1,929.19	\$1,295.57	26.84	0.8%
AVG.USE	42	6,844	\$1,203.86	\$723.27	\$480.59	\$1,213.92	\$723.27	\$490.65	10.06	0.8%

2017 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	HIGH 0.325 MONTHLY KVA	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	8	1,790	\$307.55	\$189.17	\$118.38	\$310.18	\$189.17	\$121.01	\$2.63	0.9%
20	10	2,260	\$386.44	\$238.82	\$147.62	\$389.76	\$238.82	\$150.94	3.32	0.9%
30	15	3,555	\$601.94	\$375.69	\$226.25	\$607.17	\$375.69	\$231.48	5.23	0.9%
40	19	4,443	\$751.85	\$469.51	\$282.34	\$758.38	\$469.51	\$288.87	6.53	0.9%
50	23	5,341	\$903.39	\$564.46	\$338.93	\$911.24	\$564.46	\$346.78	7.85	0.9%
60	32	7,535	\$1,270.51	\$796.34	\$474.17	\$1,281.59	\$796.34	\$485.25	11.08	0.9%
70	40	9,456	\$1,592.39	\$999.35	\$593.04	\$1,606.29	\$999.35	\$606.94	13.90	0.9%
80	53	12,681	\$2,131.11	\$1,340.16	\$790.95	\$2,149.75	\$1,340.16	\$809.59	18.64	0.9%
90	77	18,255	\$3,068.04	\$1,929.19	\$1,138.85	\$3,094.88	\$1,929.19	\$1,165.69	26.84	0.9%
AVG.USE	29	6,844	\$1,154.20	\$723.27	\$430.93	\$1,164.26	\$723.27	\$440.99	10.06	0.9%

2017 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	LOW 0.125 MONTHLY KVA	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	20	1,790	\$353.39	\$189.17	\$164.22	\$356.02	\$189.17	\$166.85	\$2.63	0.7%
20	25	2,260	\$443.74	\$238.82	\$204.92	\$447.06	\$238.82	\$208.24	3.32	0.7%
30	39	3,555	\$693.62	\$375.69	\$317.93	\$698.85	\$375.69	\$323.16	5.23	0.8%
40	49	4,443	\$866.45	\$469.51	\$396.94	\$872.98	\$469.51	\$403.47	6.53	0.8%
50	59	5,341	\$1,040.91	\$564.46	\$476.45	\$1,048.76	\$564.46	\$484.30	7.85	0.8%
60	83	7,535	\$1,465.33	\$796.34	\$668.99	\$1,476.41	\$796.34	\$680.07	11.08	0.8%
70	104	9,456	\$1,836.87	\$999.35	\$837.52	\$1,850.77	\$999.35	\$851.42	13.90	0.8%
80	139	12,681	\$2,459.63	\$1,340.16	\$1,119.47	\$2,478.27	\$1,340.16	\$1,138.11	18.64	0.8%
90	200	18,255	\$3,537.90	\$1,929.19	\$1,608.71	\$3,564.74	\$1,929.19	\$1,635.55	26.84	0.8%
AVG.USE	75	6,844	\$1,329.92	\$723.27	\$606.65	\$1,339.98	\$723.27	\$616.71	10.06	0.8%

2017 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 COMMERCIAL SPACE HEATING RATE G-5

CUM % BILLS	KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		93	\$22.66	\$9.83	\$12.83	\$22.79	\$9.83	\$12.96	\$0.13	0.6%
20		194	\$41.39	\$20.50	\$20.89	\$41.68	\$20.50	\$21.18	0.29	0.7%
30		283	\$57.91	\$29.91	\$28.00	\$58.32	\$29.91	\$28.41	0.41	0.7%
40		388	\$77.38	\$41.00	\$36.38	\$77.95	\$41.00	\$36.95	0.57	0.7%
50		505	\$99.09	\$53.37	\$45.72	\$99.84	\$53.37	\$46.47	0.75	0.8%
60		689	\$133.23	\$72.81	\$60.42	\$134.24	\$72.81	\$61.43	1.01	0.8%
70		984	\$187.96	\$103.99	\$83.97	\$189.41	\$103.99	\$85.42	1.45	0.8%
80		1,490	\$281.84	\$157.46	\$124.38	\$284.03	\$157.46	\$126.57	2.19	0.8%
90		2,902	\$543.80	\$306.68	\$237.12	\$548.07	\$306.68	\$241.39	4.27	0.8%
AVG.USE		1,563	\$295.39	\$165.18	\$130.21	\$297.68	\$165.18	\$132.50	2.29	0.8%

2017 Planned

COMMERCIAL SPACE HEATING RATE G-5

DELIVERY SERVICES:

CUSTOMER \$5.40 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	3.671	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.040	" "
TRANS RATE ADJ	" "	-0.006	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

COMMERCIAL SPACE HEATING RATE G-5

DELIVERY SERVICES:

CUSTOMER \$5.40 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	3.671	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.040	" "
TRANS RATE ADJ	" "	-0.006	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 ALL ELECTRIC SCHOOLS RATE G-6

CUM % BILLS	KW	MONTHLY KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		7,440	\$1,235.16	\$786.26	\$448.90	\$1,246.10	\$786.26	\$459.84	\$10.94	0.9%
20		18,000	\$2,949.79	\$1,902.24	\$1,047.55	\$2,976.25	\$1,902.24	\$1,074.01	26.46	0.9%
30		30,000	\$4,898.23	\$3,170.40	\$1,727.83	\$4,942.33	\$3,170.40	\$1,771.93	44.10	0.9%
40		38,160	\$6,223.17	\$4,032.75	\$2,190.42	\$6,279.27	\$4,032.75	\$2,246.52	56.10	0.9%
50		44,340	\$7,226.61	\$4,685.85	\$2,540.76	\$7,291.79	\$4,685.85	\$2,605.94	65.18	0.9%
60		54,081	\$8,808.31	\$5,715.31	\$3,093.00	\$8,887.81	\$5,715.31	\$3,172.50	79.50	0.9%
70		63,240	\$10,295.41	\$6,683.20	\$3,612.21	\$10,388.37	\$6,683.20	\$3,705.17	92.96	0.9%
80		95,220	\$15,488.00	\$10,062.85	\$5,425.15	\$15,627.98	\$10,062.85	\$5,565.13	139.98	0.9%
90		125,370	\$20,383.46	\$13,249.10	\$7,134.36	\$20,567.75	\$13,249.10	\$7,318.65	184.29	0.9%
AVG.USE		88,287	\$14,362.29	\$9,330.17	\$5,032.12	\$14,492.07	\$9,330.17	\$5,161.90	129.78	0.9%

2017 Planned

ALL ELECTRIC SCHOOLS RATE G-6

DELIVERY SERVICES:

CUSTOMER		\$27.13	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	1.700	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.689	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	1.697	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

ALL ELECTRIC SCHOOLS RATE G-6

DELIVERY SERVICES:

CUSTOMER		\$27.13	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	1.700	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.689	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	AVERAGE 0.466 MONTHLY KW		2017 Planned			2018 Planned			DIFFERENCE	
	MONTHLY KW	KWH	TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	29	\$13.38	\$3.06	\$10.32	\$13.43	\$3.06	\$10.37	\$0.05	0.4%
20	1	491	\$90.74	\$51.89	\$38.85	\$91.46	\$51.89	\$39.57	0.72	0.8%
30	3	908	\$171.01	\$95.99	\$75.02	\$172.35	\$95.99	\$76.36	1.34	0.8%
40	6	1,987	\$357.93	\$209.99	\$147.94	\$360.85	\$209.99	\$150.86	2.92	0.8%
50	12	4,013	\$712.44	\$424.09	\$288.35	\$718.34	\$424.09	\$294.25	5.90	0.8%
60	25	8,483	\$1,492.42	\$896.52	\$595.90	\$1,504.89	\$896.52	\$608.37	12.47	0.8%
70	35	11,755	\$2,067.86	\$1,242.27	\$825.59	\$2,085.14	\$1,242.27	\$842.87	17.28	0.8%
80	43	14,470	\$2,542.52	\$1,529.16	\$1,013.36	\$2,563.79	\$1,529.16	\$1,034.63	21.27	0.8%
90	61	20,608	\$3,614.86	\$2,177.80	\$1,437.06	\$3,645.15	\$2,177.80	\$1,467.35	30.29	0.8%
AVG.USE	14	4,742	\$838.49	\$501.13	\$337.36	\$845.46	\$501.13	\$344.33	6.97	0.8%

2017 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2018 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	HIGH 0.666 MONTHLY KW	KWH	2017 Planned			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	29	\$13.38	\$3.06	\$10.32	\$13.43	\$3.06	\$10.37	\$0.05	0.4%
20	1	491	\$90.74	\$51.89	\$38.85	\$91.46	\$51.89	\$39.57	0.72	0.8%
30	2	908	\$161.52	\$95.99	\$65.53	\$162.86	\$95.99	\$66.87	1.34	0.8%
40	4	1,987	\$338.95	\$209.99	\$128.96	\$341.87	\$209.99	\$131.88	2.92	0.9%
50	8	4,013	\$674.48	\$424.09	\$250.39	\$680.38	\$424.09	\$256.29	5.90	0.9%
60	17	8,483	\$1,416.50	\$896.52	\$519.98	\$1,428.97	\$896.52	\$532.45	12.47	0.9%
70	24	11,755	\$1,963.47	\$1,242.27	\$721.20	\$1,980.75	\$1,242.27	\$738.48	17.28	0.9%
80	30	14,470	\$2,419.15	\$1,529.16	\$889.99	\$2,440.42	\$1,529.16	\$911.26	21.27	0.9%
90	42	20,608	\$3,434.55	\$2,177.80	\$1,256.75	\$3,464.84	\$2,177.80	\$1,287.04	30.29	0.9%
AVG.USE	10	4,742	\$800.53	\$501.13	\$299.40	\$807.50	\$501.13	\$306.37	6.97	0.9%

2017 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK		OFF PK		CENTS/KWH
	23.66%	76.34%	23.66%	76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673			
TRANSITION	0.315	0.315	"	"	
TRANSMISSION (ENERGY)	0.000	0.000	"	"	
TRANS RATE ADJ	0.004	0.004	"	"	
DISTRIBUTION ADJ	1.697	1.697	"	"	
DEFAULT SERV ADJ	-0.032	-0.032	"	"	
DEMAND-SIDE MGT	0.250	0.250	"	"	
RENEWABLE ENERGY	0.050	0.050	"	"	

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2018 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK		OFF PK		CENTS/KWH
	23.66%	76.34%	23.66%	76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673			
TRANSITION	0.315	0.315	"	"	
TRANSMISSION (ENERGY)	0.000	0.000	"	"	
TRANS RATE ADJ	0.004	0.004	"	"	
DISTRIBUTION ADJ	1.844	1.844	"	"	
DEFAULT SERV ADJ	-0.032	-0.032	"	"	
DEMAND-SIDE MGT	0.250	0.250	"	"	
RENEWABLE ENERGY	0.050	0.050	"	"	

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	LOW 0.266 MONTHLY KW		TOTAL	2017 Planned SUPPLIER DELIVERY		TOTAL	2018 Planned SUPPLIER DELIVERY		DIFFERENCE	
	MONTHLY KW	KWH							AMOUNT	%
10	0	29	\$13.38	\$3.06	\$10.32	\$13.43	\$3.06	\$10.37	\$0.05	0.4%
20	3	491	\$109.72	\$51.89	\$57.83	\$110.44	\$51.89	\$58.55	0.72	0.7%
30	5	908	\$189.99	\$95.99	\$94.00	\$191.33	\$95.99	\$95.34	1.34	0.7%
40	10	1,987	\$395.89	\$209.99	\$185.90	\$398.81	\$209.99	\$188.82	2.92	0.7%
50	21	4,013	\$797.85	\$424.09	\$373.76	\$803.75	\$424.09	\$379.66	5.90	0.7%
60	44	8,483	\$1,672.73	\$896.52	\$776.21	\$1,685.20	\$896.52	\$788.68	12.47	0.7%
70	61	11,755	\$2,314.60	\$1,242.27	\$1,072.33	\$2,331.88	\$1,242.27	\$1,089.61	17.28	0.7%
80	75	14,470	\$2,846.20	\$1,529.16	\$1,317.04	\$2,867.47	\$1,529.16	\$1,338.31	21.27	0.7%
90	106	20,608	\$4,041.91	\$2,177.80	\$1,864.11	\$4,072.20	\$2,177.80	\$1,894.40	30.29	0.7%
AVG.USE	24	4,742	\$933.39	\$501.13	\$432.26	\$940.36	\$501.13	\$439.23	6.97	0.7%

2017 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2018 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.172 WINTER KW		TOTAL	2017 Planned SUPPLIER	DELIVERY	TOTAL	2018 Planned SUPPLIER	DELIVERY	DIFFERENCE	
	KWH								AMOUNT	%
10	0	0	\$9.13	\$0.00	\$9.13	\$9.13	\$0.00	\$9.13	\$0.00	0.0%
20	39	4,940	\$1,075.95	\$522.06	\$553.89	\$1,083.22	\$522.06	\$561.16	7.27	0.7%
30	66	8,211	\$1,789.39	\$867.74	\$921.65	\$1,801.46	\$867.74	\$933.72	12.07	0.7%
40	79	9,901	\$2,152.31	\$1,046.34	\$1,105.97	\$2,166.86	\$1,046.34	\$1,120.52	14.55	0.7%
50	86	10,800	\$2,345.87	\$1,141.34	\$1,204.53	\$2,361.74	\$1,141.34	\$1,220.40	15.87	0.7%
60	92	11,460	\$2,493.13	\$1,211.09	\$1,282.04	\$2,509.97	\$1,211.09	\$1,298.88	16.84	0.7%
70	100	12,560	\$2,726.58	\$1,327.34	\$1,399.24	\$2,745.04	\$1,327.34	\$1,417.70	18.46	0.7%
80	116	14,540	\$3,156.39	\$1,536.59	\$1,619.80	\$3,177.76	\$1,536.59	\$1,641.17	21.37	0.7%
90	138	17,280	\$3,750.31	\$1,826.15	\$1,924.16	\$3,775.71	\$1,826.15	\$1,949.56	25.40	0.7%
AVG.USE	4	532	\$122.82	\$56.22	\$66.60	\$123.60	\$56.22	\$67.38	0.78	0.6%

2017 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$9.13	PER BILL
DISTRIBUTION (DEMAND)		\$3.39	PER KW
TRANSMISSION (DEMAND)		\$2.60	
	PEAK	OFF PK	
	21.97%	78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$9.13	PER BILL
DISTRIBUTION (DEMAND)		\$3.39	PER KW
TRANSMISSION (DEMAND)		\$2.60	
	PEAK	OFF PK	
	21.97%	78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.172 SUMMER KW		TOTAL	2017 Planned SUPPLIER	DELIVERY	TOTAL	2018 Planned SUPPLIER	DELIVERY	DIFFERENCE	
	KWH	KWH							AMOUNT	%
10	0	0	\$9.13	\$0.00	\$9.13	\$9.13	\$0.00	\$9.13	\$0.00	0.0%
20	62	7,745	\$1,686.83	\$818.49	\$868.34	\$1,698.22	\$818.49	\$879.73	11.39	0.7%
30	82	10,320	\$2,240.95	\$1,090.62	\$1,150.33	\$2,256.12	\$1,090.62	\$1,165.50	15.17	0.7%
40	96	11,989	\$2,606.32	\$1,267.00	\$1,339.32	\$2,623.94	\$1,267.00	\$1,356.94	17.62	0.7%
50	102	12,756	\$2,771.62	\$1,348.05	\$1,423.57	\$2,790.37	\$1,348.05	\$1,442.32	18.75	0.7%
60	108	13,523	\$2,936.93	\$1,429.11	\$1,507.82	\$2,956.81	\$1,429.11	\$1,527.70	19.88	0.7%
70	114	14,290	\$3,102.24	\$1,510.17	\$1,592.07	\$3,123.24	\$1,510.17	\$1,613.07	21.00	0.7%
80	119	14,924	\$3,239.12	\$1,577.17	\$1,661.95	\$3,261.06	\$1,577.17	\$1,683.89	21.94	0.7%
90	124	15,532	\$3,371.62	\$1,641.42	\$1,730.20	\$3,394.45	\$1,641.42	\$1,753.03	22.83	0.7%
AVG.USE	7	919	\$206.06	\$97.12	\$108.94	\$207.42	\$97.12	\$110.30	1.36	0.7%

2017 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$9.13	PER BILL
DISTRIBUTION (DEMAND)		\$3.39	PER KW
TRANSMISSION (DEMAND)		\$2.60	
	PEAK	OFF PK	
	21.97%	78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.697	1.697	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$9.13	PER BILL
DISTRIBUTION (DEMAND)		\$3.39	PER KW
TRANSMISSION (DEMAND)		\$2.60	
	PEAK	OFF PK	
	21.97%	78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL RATE R-1

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		160	\$36.83	\$16.26	\$20.57	\$35.76	\$16.26	\$19.50	(\$1.07)	-2.9%
20		230	\$51.31	\$23.37	\$27.94	\$49.77	\$23.37	\$26.40	(1.54)	-3.0%
30		306	\$67.03	\$31.09	\$35.94	\$64.98	\$31.09	\$33.89	(2.05)	-3.1%
40		382	\$82.75	\$38.81	\$43.94	\$80.19	\$38.81	\$41.38	(2.56)	-3.1%
50		464	\$99.71	\$47.14	\$52.57	\$96.60	\$47.14	\$49.46	(3.11)	-3.1%
60		555	\$118.53	\$56.39	\$62.14	\$114.82	\$56.39	\$58.43	(3.71)	-3.1%
70		660	\$140.26	\$67.06	\$73.20	\$135.83	\$67.06	\$68.77	(4.43)	-3.2%
80		793	\$167.76	\$80.57	\$87.19	\$162.45	\$80.57	\$81.88	(5.31)	-3.2%
90		997	\$209.96	\$101.30	\$108.66	\$203.28	\$101.30	\$101.98	(6.68)	-3.2%
AVG.USE		584	\$124.53	\$59.33	\$65.20	\$120.61	\$59.33	\$61.28	(3.92)	-3.1%

2015 In Effect

RESIDENTIAL RATE R-1 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.936	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

RESIDENTIAL RATE R-1 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.266	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SEASONAL RATE R-1

CUM % BILLS	KW	WINTER KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		14	\$7.38	\$1.42	\$5.96	\$7.28	\$1.42	\$5.86	(\$0.10)	-1.4%
20		23	\$9.73	\$2.34	\$7.39	\$9.58	\$2.34	\$7.24	(0.15)	-1.5%
30		34	\$12.59	\$3.45	\$9.14	\$12.36	\$3.45	\$8.91	(0.23)	-1.8%
40		46	\$15.72	\$4.67	\$11.05	\$15.41	\$4.67	\$10.74	(0.31)	-2.0%
50		65	\$20.68	\$6.60	\$14.08	\$20.24	\$6.60	\$13.64	(0.44)	-2.1%
60		90	\$27.20	\$9.14	\$18.06	\$26.59	\$9.14	\$17.45	(0.61)	-2.2%
70		125	\$36.33	\$12.70	\$23.63	\$35.49	\$12.70	\$22.79	(0.84)	-2.3%
80		179	\$50.41	\$18.19	\$32.22	\$49.21	\$18.19	\$31.02	(1.20)	-2.4%
90		287	\$78.57	\$29.16	\$49.41	\$76.65	\$29.16	\$47.49	(1.92)	-2.4%
AVG.USE		141	\$40.50	\$14.33	\$26.17	\$39.56	\$14.33	\$25.23	(0.94)	-2.3%

2015 In Effect

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.936	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.266	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SEASONAL RATE R-1

CUM % BILLS	KW	SUMMER KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		80	\$24.59	\$8.13	\$16.46	\$24.06	\$8.13	\$15.93	(\$0.53)	-2.2%
20		123	\$35.81	\$12.50	\$23.31	\$34.98	\$12.50	\$22.48	(0.83)	-2.3%
30		163	\$46.23	\$16.56	\$29.67	\$45.14	\$16.56	\$28.58	(1.09)	-2.4%
40		208	\$57.97	\$21.13	\$36.84	\$56.57	\$21.13	\$35.44	(1.40)	-2.4%
50		261	\$71.79	\$26.52	\$45.27	\$70.04	\$26.52	\$43.52	(1.75)	-2.4%
60		328	\$89.26	\$33.32	\$55.94	\$87.06	\$33.32	\$53.74	(2.20)	-2.5%
70		417	\$112.47	\$42.37	\$70.10	\$109.68	\$42.37	\$67.31	(2.79)	-2.5%
80		543	\$145.33	\$55.17	\$90.16	\$141.69	\$55.17	\$86.52	(3.64)	-2.5%
90		739	\$196.44	\$75.08	\$121.36	\$191.49	\$75.08	\$116.41	(4.95)	-2.5%
AVG.USE		401	\$108.30	\$40.74	\$67.56	\$105.61	\$40.74	\$64.87	(2.69)	-2.5%

2015 In Effect

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.936	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

RESIDENTIAL RATE R-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	-0.002	" "
DISTRIBUTION ADJ	" "	2.266	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE RATE R-2 (R1)

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		146	\$23.80	\$11.50	\$12.30	\$23.85	\$11.50	\$12.35	\$0.05	0.2%
20		194	\$30.67	\$15.28	\$15.39	\$30.73	\$15.28	\$15.45	0.06	0.2%
30		243	\$37.67	\$19.13	\$18.54	\$37.76	\$19.13	\$18.63	0.09	0.2%
40		293	\$44.84	\$23.07	\$21.77	\$44.94	\$23.07	\$21.87	0.10	0.2%
50		350	\$53.00	\$27.56	\$25.44	\$53.12	\$27.56	\$25.56	0.12	0.2%
60		416	\$62.45	\$32.76	\$29.69	\$62.59	\$32.76	\$29.83	0.14	0.2%
70		497	\$74.04	\$39.13	\$34.91	\$74.21	\$39.13	\$35.08	0.17	0.2%
80		608	\$89.93	\$47.87	\$42.06	\$90.13	\$47.87	\$42.26	0.20	0.2%
90		785	\$115.27	\$61.81	\$53.46	\$115.54	\$61.81	\$53.73	0.27	0.2%
AVG.USE		483	\$72.03	\$38.03	\$34.00	\$72.20	\$38.03	\$34.17	0.17	0.2%

2015 In Effect

RESIDENTIAL ASSISTANCE RATE R-2 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.723	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 22.5%

2018 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	5.000	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.025	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.767	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 22.5%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE SEASONAL RATE R-2 (R1S)

CUM % BILLS	KW	WINTER KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		17	\$5.68	\$1.26	\$4.42	\$5.68	\$1.26	\$4.42	\$0.00	0.0%
20		42	\$10.03	\$3.11	\$6.92	\$10.04	\$3.11	\$6.93	0.01	0.1%
30		91	\$18.55	\$6.74	\$11.81	\$18.58	\$6.74	\$11.84	0.03	0.2%
40		155	\$29.69	\$11.48	\$18.21	\$29.74	\$11.48	\$18.26	0.05	0.2%
50		171	\$32.48	\$12.67	\$19.81	\$32.53	\$12.67	\$19.86	0.05	0.2%
60		267	\$49.18	\$19.78	\$29.40	\$49.26	\$19.78	\$29.48	0.08	0.2%
70		344	\$62.57	\$25.48	\$37.09	\$62.68	\$25.48	\$37.20	0.11	0.2%
80		395	\$71.45	\$29.26	\$42.19	\$71.58	\$29.26	\$42.32	0.13	0.2%
90		624	\$111.29	\$46.22	\$65.07	\$111.49	\$46.22	\$65.27	0.20	0.2%
AVG.USE		313	\$57.18	\$23.18	\$34.00	\$57.28	\$23.18	\$34.10	0.10	0.2%

2015 In Effect

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.723	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

2018 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.767	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL ASSISTANCE SEASONAL RATE R-2 (R1S)

CUM % BILLS	KW	SUMMER KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		122	\$23.95	\$9.04	\$14.91	\$23.99	\$9.04	\$14.95	\$0.04	0.2%
20		172	\$32.65	\$12.74	\$19.91	\$32.70	\$12.74	\$19.96	0.05	0.2%
30		273	\$50.22	\$20.22	\$30.00	\$50.31	\$20.22	\$30.09	0.09	0.2%
40		298	\$54.57	\$22.07	\$32.50	\$54.66	\$22.07	\$32.59	0.09	0.2%
50		342	\$62.22	\$25.33	\$36.89	\$62.33	\$25.33	\$37.00	0.11	0.2%
60		326	\$59.44	\$24.15	\$35.29	\$59.55	\$24.15	\$35.40	0.11	0.2%
70		390	\$70.58	\$28.89	\$41.69	\$70.70	\$28.89	\$41.81	0.12	0.2%
80		516	\$92.50	\$38.22	\$54.28	\$92.67	\$38.22	\$54.45	0.17	0.2%
90		756	\$134.25	\$55.99	\$78.26	\$134.49	\$55.99	\$78.50	0.24	0.2%
AVG.USE		385	\$69.71	\$28.52	\$41.19	\$69.83	\$28.52	\$41.31	0.12	0.2%

2015 In Effect

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.723	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

2018 Planned

RESIDENTIAL ASSISTANCE RATE R-2 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER		\$3.73	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	8.422	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	3.997	" "
TRANS RATE ADJ	" "	0.001	" "
DISTRIBUTION ADJ	" "	0.767	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

LOW INCOME DISCOUNT: 27.1%

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL SPACE HEATING RATE R-3

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		215	\$49.62	\$21.84	\$27.78	\$48.18	\$21.84	\$26.34	(\$1.44)	-2.9%
20		328	\$70.43	\$33.32	\$37.11	\$68.23	\$33.32	\$34.91	(2.20)	-3.1%
30		451	\$93.08	\$45.82	\$47.26	\$90.06	\$45.82	\$44.24	(3.02)	-3.2%
40		568	\$114.63	\$57.71	\$56.92	\$110.83	\$57.71	\$53.12	(3.80)	-3.3%
50		690	\$137.10	\$70.10	\$67.00	\$132.47	\$70.10	\$62.37	(4.63)	-3.4%
60		824	\$161.78	\$83.72	\$78.06	\$156.26	\$83.72	\$72.54	(5.52)	-3.4%
70		982	\$190.87	\$99.77	\$91.10	\$184.29	\$99.77	\$84.52	(6.58)	-3.4%
80		1,184	\$228.07	\$120.29	\$107.78	\$220.14	\$120.29	\$99.85	(7.93)	-3.5%
90		1,489	\$284.24	\$151.28	\$132.96	\$274.27	\$151.28	\$122.99	(9.97)	-3.5%
AVG.USE		859	\$168.22	\$87.27	\$80.95	\$162.46	\$87.27	\$75.19	(5.76)	-3.4%

2015 In Effect

RES SPACE HEATING RATE R-3

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.749	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

2018 Planned

RES SPACE HEATING RATE R-3

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.079	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RES ASSISTANCE SPACE HEATING RATE R-4 (R3)

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		349	\$53.46	\$28.47	\$24.99	\$53.58	\$28.47	\$25.11	\$0.12	0.2%
20		455	\$67.25	\$37.12	\$30.13	\$67.41	\$37.12	\$30.29	0.16	0.2%
30		551	\$79.74	\$44.95	\$34.79	\$79.94	\$44.95	\$34.99	0.20	0.3%
40		639	\$91.19	\$52.13	\$39.06	\$91.42	\$52.13	\$39.29	0.23	0.3%
50		752	\$105.90	\$61.35	\$44.55	\$106.16	\$61.35	\$44.81	0.26	0.2%
60		877	\$122.16	\$71.55	\$50.61	\$122.47	\$71.55	\$50.92	0.31	0.3%
70		1,036	\$142.85	\$84.52	\$58.33	\$143.21	\$84.52	\$58.69	0.36	0.3%
80		1,234	\$168.61	\$100.68	\$67.93	\$169.05	\$100.68	\$68.37	0.44	0.3%
90		1,523	\$206.21	\$124.25	\$81.96	\$206.75	\$124.25	\$82.50	0.54	0.3%
AVG.USE		934	\$129.58	\$76.20	\$53.38	\$129.91	\$76.20	\$53.71	0.33	0.3%

2015 In Effect

RES ASSISTANCE SPACE HEATING RATE R-4

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.536	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "
LOW INCOME DISCOUNT		19.7%	

2018 Planned

RES ASSISTANCE SPACE HEATING RATE R-4

DELIVERY SERVICES:

CUSTOMER		\$10.03	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.077	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.851	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	0.580	" "
DEFAULT SERV ADJ	" "	-0.036	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	" "
LOW INCOME DISCOUNT		19.7%	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 CONTROLLED WATER HEATING RATE R-5

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		43	\$8.07	\$4.37	\$3.70	\$7.78	\$4.37	\$3.41	(\$0.29)	-3.6%
20		69	\$12.94	\$7.01	\$5.93	\$12.48	\$7.01	\$5.47	(0.46)	-3.6%
30		93	\$17.45	\$9.45	\$8.00	\$16.82	\$9.45	\$7.37	(0.63)	-3.6%
40		118	\$22.14	\$11.99	\$10.15	\$21.35	\$11.99	\$9.36	(0.79)	-3.6%
50		147	\$27.58	\$14.94	\$12.64	\$26.60	\$14.94	\$11.66	(0.98)	-3.6%
60		178	\$33.39	\$18.08	\$15.31	\$32.19	\$18.08	\$14.11	(1.20)	-3.6%
70		214	\$40.14	\$21.74	\$18.40	\$38.71	\$21.74	\$16.97	(1.43)	-3.6%
80		261	\$48.96	\$26.52	\$22.44	\$47.21	\$26.52	\$20.69	(1.75)	-3.6%
90		331	\$62.09	\$33.63	\$28.46	\$59.87	\$33.63	\$26.24	(2.22)	-3.6%
AVG.USE		187	\$35.08	\$19.00	\$16.08	\$33.83	\$19.00	\$14.83	(1.25)	-3.6%

2015 In Effect

CONT WATER HEATING RATE R-5

DELIVERY SERVICES:

CUSTOMER		\$0.00	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.227	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.872	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.936	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

2018 Planned

CONT WATER HEATING RATE R-5

DELIVERY SERVICES:

CUSTOMER		\$0.00	PER BILL
DISTRIBUTION (ENERGY)	ALL KWH @	3.227	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.872	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	2.266	" "
DEFAULT SERV ADJ	" "	-0.051	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	" "	0.000	" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 RESIDENTIAL TOU RATE R-6

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		296	\$64.98	\$30.07	\$34.91	\$63.00	\$30.07	\$32.93	(\$1.98)	-3.0%
20		405	\$86.22	\$41.15	\$45.07	\$83.50	\$41.15	\$42.35	(2.72)	-3.2%
30		493	\$103.36	\$50.09	\$53.27	\$100.05	\$50.09	\$49.96	(3.31)	-3.2%
40		566	\$117.58	\$57.51	\$60.07	\$113.79	\$57.51	\$56.28	(3.79)	-3.2%
50		653	\$134.52	\$66.34	\$68.18	\$130.14	\$66.34	\$63.80	(4.38)	-3.3%
60		813	\$165.69	\$82.60	\$83.09	\$160.24	\$82.60	\$77.64	(5.45)	-3.3%
70		974	\$197.05	\$98.96	\$98.09	\$190.52	\$98.96	\$91.56	(6.53)	-3.3%
80		1,295	\$259.57	\$131.57	\$128.00	\$250.89	\$131.57	\$119.32	(8.68)	-3.3%
90		2,096	\$415.59	\$212.95	\$202.64	\$401.54	\$212.95	\$188.59	(14.05)	-3.4%
AVG.USE		1,049	\$211.66	\$106.58	\$105.08	\$204.63	\$106.58	\$98.05	(7.03)	-3.3%

2015 In Effect

RESIDENTIAL TOU RATE R-6

DELIVERY SERVICES:

CUSTOMER	\$7.33		PER BILL
	PEAK	OFF-PEAK	
	20.58%	79.42%	
DISTRIBUTION (ENERGY)	14.645	1.198	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	1.851	1.851	" "
TRANS RATE ADJ	0.002	0.002	" "
DISTRIBUTION ADJ	2.936	2.936	" "
DEFAULT SERV ADJ	-0.051	-0.051	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.160	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

RESIDENTIAL TOU RATE R-6

DELIVERY SERVICES:

CUSTOMER	\$7.33		PER BILL
	PEAK	OFF-PEAK	
	20.58%	79.42%	
DISTRIBUTION (ENERGY)	14.645	1.198	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	1.851	1.851	" "
TRANS RATE ADJ	0.002	0.002	" "
DISTRIBUTION ADJ	2.266	2.266	" "
DEFAULT SERV ADJ	-0.051	-0.051	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.160	10.160	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	AVERAGE 0.408		TOTAL	2015 In Effect		TOTAL	2018 Planned		DIFFERENCE	
	MONTHLY KW	MONTHLY KWH		SUPPLIER	DELIVERY		SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$8.02	\$1.37	\$6.65	\$0.05	0.6%
20	0	82	\$20.88	\$8.62	\$12.26	\$21.18	\$8.62	\$12.56	0.30	1.4%
30	1	186	\$40.46	\$19.62	\$20.84	\$41.15	\$19.62	\$21.53	0.69	1.7%
40	1	335	\$68.65	\$35.45	\$33.20	\$69.90	\$35.45	\$34.45	1.25	1.8%
50	2	525	\$104.34	\$55.49	\$48.85	\$106.29	\$55.49	\$50.80	1.95	1.9%
60	3	826	\$160.94	\$87.28	\$73.66	\$164.02	\$87.28	\$76.74	3.08	1.9%
70	4	1,275	\$245.40	\$134.71	\$110.69	\$250.14	\$134.71	\$115.43	4.74	1.9%
80	8	2,351	\$446.51	\$248.49	\$198.02	\$455.25	\$248.49	\$206.76	8.74	2.0%
90	17	4,950	\$893.50	\$523.13	\$370.37	\$911.91	\$523.13	\$388.78	18.41	2.1%
AVG.USE	8	2,396	\$453.60	\$253.21	\$200.39	\$462.51	\$253.21	\$209.30	8.91	2.0%

2015 In Effect

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.472	1.472		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.844	1.844		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	HIGH 0.508 MONTHLY KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$8.02	\$1.37	\$6.65	\$0.05	0.6%
20	0	82	\$20.88	\$8.62	\$12.26	\$21.18	\$8.62	\$12.56	0.30	1.4%
30	1	186	\$40.46	\$19.62	\$20.84	\$41.15	\$19.62	\$21.53	0.69	1.7%
40	1	335	\$68.65	\$35.45	\$33.20	\$69.90	\$35.45	\$34.45	1.25	1.8%
50	1	525	\$104.34	\$55.49	\$48.85	\$106.29	\$55.49	\$50.80	1.95	1.9%
60	2	826	\$160.94	\$87.28	\$73.66	\$164.02	\$87.28	\$76.74	3.08	1.9%
70	3	1,275	\$245.40	\$134.71	\$110.69	\$250.14	\$134.71	\$115.43	4.74	1.9%
80	6	2,351	\$446.51	\$248.49	\$198.02	\$455.25	\$248.49	\$206.76	8.74	2.0%
90	13	4,950	\$874.06	\$523.13	\$350.93	\$892.47	\$523.13	\$369.34	18.41	2.1%
AVG.USE	6	2,396	\$453.60	\$253.21	\$200.39	\$462.51	\$253.21	\$209.30	8.91	2.0%

2015 In Effect

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.472	1.472		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.86		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	4.132	1.205		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.060	2.060		" "
TRANS RATE ADJ	0.003	0.003		" "
DISTRIBUTION ADJ	1.844	1.844		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1

LF = CUM % BILLS	LOW 0.308 MONTHLY KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	13	\$7.97	\$1.37	\$6.60	\$8.02	\$1.37	\$6.65	\$0.05	0.6%
20	0	82	\$20.88	\$8.62	\$12.26	\$21.18	\$8.62	\$12.56	0.30	1.4%
30	1	186	\$40.46	\$19.62	\$20.84	\$41.15	\$19.62	\$21.53	0.69	1.7%
40	1	335	\$68.65	\$35.45	\$33.20	\$69.90	\$35.45	\$34.45	1.25	1.8%
50	2	525	\$104.34	\$55.49	\$48.85	\$106.29	\$55.49	\$50.80	1.95	1.9%
60	4	826	\$160.94	\$87.28	\$73.66	\$164.02	\$87.28	\$76.74	3.08	1.9%
70	6	1,275	\$245.40	\$134.71	\$110.69	\$250.14	\$134.71	\$115.43	4.74	1.9%
80	10	2,351	\$446.51	\$248.49	\$198.02	\$455.25	\$248.49	\$206.76	8.74	2.0%
90	22	4,950	\$917.80	\$523.13	\$394.67	\$936.21	\$523.13	\$413.08	18.41	2.0%
AVG.USE	11	2,396	\$458.46	\$253.21	\$205.25	\$467.37	\$253.21	\$214.16	8.91	1.9%

2015 In Effect

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>	
DISTRIBUTION (DEMAND)	\$0.00	\$4.86	PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00	
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>	
DISTRIBUTION (ENERGY)	4.132	1.205	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	2.060	2.060	" "
TRANS RATE ADJ	0.003	0.003	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>	
DISTRIBUTION (DEMAND)	\$0.00	\$4.86	PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00	
	<u>< 2300 KWH</u>	<u>>2300 KWH</u>	
DISTRIBUTION (ENERGY)	4.132	1.205	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	2.060	2.060	" "
TRANS RATE ADJ	0.003	0.003	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.248 WINTER KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2018 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH							AMOUNT	%	
10	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	\$0.00	0.0%
20	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
30	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
40	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	0.00	0.0%
50	0	7	\$7.14	\$0.74	\$6.40	\$7.16	\$0.74	\$6.42	0.02	0.3%
60	0	47	\$16.32	\$4.97	\$11.35	\$16.49	\$4.97	\$11.52	0.17	1.0%
70	1	140	\$37.66	\$14.80	\$22.86	\$38.18	\$14.80	\$23.38	0.52	1.4%
80	2	377	\$92.04	\$39.84	\$52.20	\$93.44	\$39.84	\$53.60	1.40	1.5%
90	6	1,009	\$237.06	\$106.63	\$130.43	\$240.82	\$106.63	\$134.19	3.76	1.6%
AVG.USE	3	539	\$129.21	\$56.96	\$72.25	\$131.22	\$56.96	\$74.26	2.01	1.6%

2015 In Effect

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.472	1.472		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.844	1.844		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL RATE G-1 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.248 SUMMER KW KWH		2015 In Effect			2018 Planned			DIFFERENCE	
	TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%		
10	0	0	\$5.53	\$0.00	\$5.53	\$5.53	\$0.00	\$5.53	\$0.00	0.0%
20	0	24	\$11.04	\$2.54	\$8.50	\$11.13	\$2.54	\$8.59	0.09	0.8%
30	1	102	\$28.94	\$10.78	\$18.16	\$29.32	\$10.78	\$18.54	0.38	1.3%
40	1	238	\$60.14	\$25.15	\$34.99	\$61.03	\$25.15	\$35.88	0.89	1.5%
50	2	446	\$107.87	\$47.13	\$60.74	\$109.53	\$47.13	\$62.40	1.66	1.5%
60	4	755	\$178.78	\$79.79	\$98.99	\$181.59	\$79.79	\$101.80	2.81	1.6%
70	7	1,256	\$293.74	\$132.73	\$161.01	\$298.41	\$132.73	\$165.68	4.67	1.6%
80	13	2,265	\$514.10	\$239.37	\$274.73	\$522.53	\$239.37	\$283.16	8.43	1.6%
90	28	5,062	\$1,075.55	\$534.95	\$540.60	\$1,094.38	\$534.95	\$559.43	18.83	1.8%
AVG.USE	9	1,605	\$373.83	\$169.62	\$204.21	\$379.80	\$169.62	\$210.18	5.97	1.6%

2015 In Effect

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.472	1.472		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

2018 Planned

GENERAL RATE G-1 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER			\$5.53	PER BILL
	<u>FIRST 10</u>	<u>OVER 10</u>		
DISTRIBUTION (DEMAND)	\$0.00	\$4.31		PER KW
TRANSMISSION (DEMAND)	\$0.00	\$0.00		PER KW
	<u>< 1800 KWH</u>	<u>>1800 KWH</u>		CENTS/KWH
DISTRIBUTION (ENERGY)	7.661	2.476		" "
TRANSITION	0.315	0.315		" "
TRANSMISSION (ENERGY)	2.664	2.664		" "
TRANS RATE ADJ	-0.001	-0.001		" "
DISTRIBUTION ADJ	1.844	1.844		" "
DEFAULT SERV ADJ	-0.032	-0.032		" "
DEMAND-SIDE MGT	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	AVERAGE 0.512 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	37,403	\$6,378.67	\$3,952.75	\$2,425.92	\$6,517.81	\$3,952.75	\$2,565.06	\$139.14	2.2%
	150	56,105	\$9,388.01	\$5,929.18	\$3,458.83	\$9,596.72	\$5,929.18	\$3,667.54	208.71	2.2%
	200	74,807	\$12,397.34	\$7,905.60	\$4,491.74	\$12,675.62	\$7,905.60	\$4,770.02	278.28	2.2%
	250	93,508	\$15,406.54	\$9,881.93	\$5,524.61	\$15,754.39	\$9,881.93	\$5,872.46	347.85	2.3%
	300	112,210	\$18,415.88	\$11,858.35	\$6,557.53	\$18,833.30	\$11,858.35	\$6,974.95	417.42	2.3%
	350	130,912	\$21,425.22	\$13,834.78	\$7,590.44	\$21,912.21	\$13,834.78	\$8,077.43	486.99	2.3%
	400	149,613	\$24,434.41	\$15,811.10	\$8,623.31	\$24,990.97	\$15,811.10	\$9,179.87	556.56	2.3%
	450	168,315	\$27,443.75	\$17,787.53	\$9,656.22	\$28,069.88	\$17,787.53	\$10,282.35	626.13	2.3%
	500	187,017	\$30,453.09	\$19,763.96	\$10,689.13	\$31,148.80	\$19,763.96	\$11,384.84	695.71	2.3%
AVG.USE	272	101,737	\$16,730.67	\$10,751.57	\$5,979.10	\$17,109.13	\$10,751.57	\$6,357.56	378.46	2.3%

2015 In Effect

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.279	1.279	1.279		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

2018 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.651	1.651	1.651		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	HIGH 0.712 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	51,976	\$8,424.77	\$5,492.82	\$2,931.95	\$8,618.12	\$5,492.82	\$3,125.30	\$193.35	2.3%
	150	77,964	\$12,457.10	\$8,239.24	\$4,217.86	\$12,747.13	\$8,239.24	\$4,507.89	290.03	2.3%
	200	103,952	\$16,489.42	\$10,985.65	\$5,503.77	\$16,876.12	\$10,985.65	\$5,890.47	386.70	2.3%
	250	129,940	\$20,521.74	\$13,732.06	\$6,789.68	\$21,005.12	\$13,732.06	\$7,273.06	483.38	2.4%
	300	155,928	\$24,554.06	\$16,478.47	\$8,075.59	\$25,134.12	\$16,478.47	\$8,655.65	580.06	2.4%
	350	181,916	\$28,586.39	\$19,224.88	\$9,361.51	\$29,263.11	\$19,224.88	\$10,038.23	676.72	2.4%
	400	207,904	\$32,618.71	\$21,971.29	\$10,647.42	\$33,392.11	\$21,971.29	\$11,420.82	773.40	2.4%
	450	233,892	\$36,651.04	\$24,717.71	\$11,933.33	\$37,521.12	\$24,717.71	\$12,803.41	870.08	2.4%
	500	259,880	\$40,683.36	\$27,464.12	\$13,219.24	\$41,650.11	\$27,464.12	\$14,185.99	966.75	2.4%
AVG.USE	272	141,375	\$22,296.00	\$14,940.51	\$7,355.49	\$22,821.92	\$14,940.51	\$7,881.41	525.92	2.4%

2015 In Effect

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.279	1.279	1.279		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

2018 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER				\$360.13	PER BILL
DISTRIBUTION (DEMAND)				\$1.53	PER KW
TRANSMISSION (DEMAND)				\$6.14	
	PEAK	LOW A	LOW B		
	27.94%	24.87%	47.19%		
DISTRIBUTION (ENERGY)	1.816	1.533	1.006		CENTS/KWH
TRANSITION	0.315	0.315	0.315		" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221		" "
TRANS RATE ADJ	0.011	0.011	0.011		" "
DISTRIBUTION ADJ	1.651	1.651	1.651		" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017		" "
DEMAND-SIDE MGT	0.250	0.250	0.250		" "
RENEWABLE ENERGY	0.050	0.050	0.050		" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	10.568	10.568	10.568		CENTS/KWH
DEFAULT SERVICE - ADDER	0.000	0.000	0.000		" "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

LF = CUM % BILLS	LOW 0.312 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	100	22,776	\$4,324.98	\$2,406.97	\$1,918.01	\$4,409.70	\$2,406.97	\$2,002.73	\$84.72	2.0%
	150	34,164	\$6,307.40	\$3,610.45	\$2,696.95	\$6,434.49	\$3,610.45	\$2,824.04	127.09	2.0%
	200	45,552	\$8,289.82	\$4,813.94	\$3,475.88	\$8,459.28	\$4,813.94	\$3,645.34	169.46	2.0%
	250	56,940	\$10,272.24	\$6,017.42	\$4,254.82	\$10,484.06	\$6,017.42	\$4,466.64	211.82	2.1%
	300	68,328	\$12,254.66	\$7,220.90	\$5,033.76	\$12,508.84	\$7,220.90	\$5,287.94	254.18	2.1%
	350	79,716	\$14,237.09	\$8,424.39	\$5,812.70	\$14,533.63	\$8,424.39	\$6,109.24	296.54	2.1%
	400	91,104	\$16,219.51	\$9,627.87	\$6,591.64	\$16,558.41	\$9,627.87	\$6,930.54	338.90	2.1%
	450	102,492	\$18,201.93	\$10,831.35	\$7,370.58	\$18,583.20	\$10,831.35	\$7,751.85	381.27	2.1%
	500	113,880	\$20,184.35	\$12,034.84	\$8,149.51	\$20,607.99	\$12,034.84	\$8,573.15	423.64	2.1%
AVG.USE	272	61,951	\$11,144.54	\$6,546.98	\$4,597.56	\$11,375.00	\$6,546.98	\$4,828.02	230.46	2.1%

2015 In Effect

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.279	1.279	1.279	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

2018 Planned

MEDIUM GENERAL TOU RATE G-2 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$360.13 PER BILL

DISTRIBUTION (DEMAND) \$1.53 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 27.94%	LOW A 24.87%	LOW B 47.19%	
DISTRIBUTION (ENERGY)	1.816	1.533	1.006	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.221	0.221	0.221	" "
TRANS RATE ADJ	0.011	0.011	0.011	" "
DISTRIBUTION ADJ	1.651	1.651	1.651	" "
DEFAULT SERV ADJ	-0.017	-0.017	-0.017	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	AVERAGE 0.521 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	159,358	\$25,776.52	\$16,840.95	\$8,935.57	\$26,369.33	\$16,840.95	\$9,528.38	\$592.81	2.3%
	490	186,362	\$29,991.97	\$19,694.74	\$10,297.23	\$30,685.23	\$19,694.74	\$10,990.49	693.26	2.3%
	672	255,582	\$40,797.53	\$27,009.91	\$13,787.62	\$41,748.30	\$27,009.91	\$14,738.39	950.77	2.3%
	893	339,635	\$53,918.59	\$35,892.63	\$18,025.96	\$55,182.03	\$35,892.63	\$19,289.40	1,263.44	2.3%
	902	343,058	\$54,452.93	\$36,254.37	\$18,198.56	\$55,729.11	\$36,254.37	\$19,474.74	1,276.18	2.3%
	1,024	389,458	\$61,696.19	\$41,157.92	\$20,538.27	\$63,144.97	\$41,157.92	\$21,987.05	1,448.78	2.3%
	1,143	434,717	\$68,761.33	\$45,940.89	\$22,820.44	\$70,378.48	\$45,940.89	\$24,437.59	1,617.15	2.4%
	1,673	636,292	\$100,228.12	\$67,243.34	\$32,984.78	\$102,595.13	\$67,243.34	\$35,351.79	2,367.01	2.4%
	2,293	872,097	\$137,038.36	\$92,163.21	\$44,875.15	\$140,282.56	\$92,163.21	\$48,119.35	3,244.20	2.4%
AVG.USE	1,285	488,724	\$77,192.07	\$51,648.35	\$25,543.72	\$79,010.13	\$51,648.35	\$27,361.78	1,818.06	2.4%

2015 In Effect

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.197	1.197	1.197	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2018 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.569	1.569	1.569	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	HIGH 0.721 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	220,532	\$34,015.19	\$23,305.82	\$10,709.37	\$34,835.56	\$23,305.82	\$11,529.74	\$820.37	2.4%
	490	257,902	\$39,626.67	\$27,255.08	\$12,371.59	\$40,586.07	\$27,255.08	\$13,330.99	959.40	2.4%
	672	353,694	\$54,010.84	\$37,378.38	\$16,632.46	\$55,326.58	\$37,378.38	\$17,948.20	1,315.74	2.4%
	893	470,013	\$71,477.35	\$49,670.97	\$21,806.38	\$73,225.80	\$49,670.97	\$23,554.83	1,748.45	2.4%
	902	474,750	\$72,188.66	\$50,171.58	\$22,017.08	\$73,954.73	\$50,171.58	\$23,783.15	1,766.07	2.4%
	1,024	538,962	\$81,830.77	\$56,957.50	\$24,873.27	\$83,835.71	\$56,957.50	\$26,878.21	2,004.94	2.5%
	1,143	601,595	\$91,235.77	\$63,576.56	\$27,659.21	\$93,473.71	\$63,576.56	\$29,897.15	2,237.94	2.5%
	1,673	880,550	\$133,123.78	\$93,056.52	\$40,067.26	\$136,399.42	\$93,056.52	\$43,342.90	3,275.64	2.5%
	2,293	1,206,875	\$182,124.88	\$127,542.55	\$54,582.33	\$186,614.45	\$127,542.55	\$59,071.90	4,489.57	2.5%
AVG.USE	1,285	676,334	\$102,458.62	\$71,474.98	\$30,983.64	\$104,974.58	\$71,474.98	\$33,499.60	2,515.96	2.5%

2015 In Effect

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.197	1.197	1.197	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2018 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.569	1.569	1.569	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 LARGE GENERAL TOU RATE G-3 (SECONDARY)

LF = CUM % BILLS	LOW 0.321 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
	419	98,184	\$17,537.87	\$10,376.09	\$7,161.78	\$17,903.11	\$10,376.09	\$7,527.02	\$365.24	2.1%
	490	114,822	\$20,357.25	\$12,134.39	\$8,222.86	\$20,784.39	\$12,134.39	\$8,650.00	427.14	2.1%
	672	157,470	\$27,584.21	\$16,641.43	\$10,942.78	\$28,170.00	\$16,641.43	\$11,528.57	585.79	2.1%
	893	209,257	\$36,359.82	\$22,114.28	\$14,245.54	\$37,138.25	\$22,114.28	\$15,023.97	778.43	2.1%
	902	211,366	\$36,717.20	\$22,337.16	\$14,380.04	\$37,503.48	\$22,337.16	\$15,166.32	786.28	2.1%
	1,024	239,954	\$41,561.61	\$25,358.34	\$16,203.27	\$42,454.24	\$25,358.34	\$17,095.90	892.63	2.1%
	1,143	267,839	\$46,286.90	\$28,305.23	\$17,981.67	\$47,283.26	\$28,305.23	\$18,978.03	996.36	2.2%
	1,673	392,034	\$67,332.46	\$41,430.15	\$25,902.31	\$68,790.83	\$41,430.15	\$27,360.68	1,458.37	2.2%
	2,293	537,319	\$91,951.85	\$56,783.87	\$35,167.98	\$93,950.67	\$56,783.87	\$37,166.80	1,998.82	2.2%
AVG.USE	1,285	301,114	\$51,925.54	\$31,821.73	\$20,103.81	\$53,045.68	\$31,821.73	\$21,223.95	1,120.14	2.2%

2015 In Effect

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.197	1.197	1.197	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

2018 Planned

LARGE GENERAL TOU RATE G-3 (SECONDARY)

DELIVERY SERVICES:

CUSTOMER \$900.00 PER BILL

DISTRIBUTION (DEMAND) \$0.88 PER KW
 TRANSMISSION (DEMAND) \$7.27
 TRANSITION (DEMAND) \$0.00

	PEAK 26.97%	LOW A 24.61%	LOW B 48.41%	
DISTRIBUTION (ENERGY)	1.272	1.172	0.818	CENTS/KWH
TRANSITION	0.315	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	0.000	" "
TRANS RATE ADJ	0.071	0.071	0.071	" "
DISTRIBUTION ADJ	1.569	1.569	1.569	" "
DEFAULT SERV ADJ	-0.011	-0.011	-0.011	" "
DEMAND-SIDE MGT	0.250	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000 0.000 " "

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	AVERAGE 0.225 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	11	1,790	\$314.98	\$189.17	\$125.81	\$321.64	\$189.17	\$132.47	\$6.66	2.1%
20	14	2,260	\$396.63	\$238.82	\$157.81	\$405.04	\$238.82	\$166.22	8.41	2.1%
30	22	3,555	\$620.68	\$375.69	\$244.99	\$633.91	\$375.69	\$258.22	13.23	2.1%
40	27	4,443	\$772.42	\$469.51	\$302.91	\$788.94	\$469.51	\$319.43	16.52	2.1%
50	32	5,341	\$925.75	\$564.46	\$361.29	\$945.62	\$564.46	\$381.16	19.87	2.1%
60	46	7,535	\$1,307.04	\$796.34	\$510.70	\$1,335.07	\$796.34	\$538.73	28.03	2.1%
70	57	9,456	\$1,636.05	\$999.35	\$636.70	\$1,671.23	\$999.35	\$671.88	35.18	2.2%
80	77	12,681	\$2,194.26	\$1,340.16	\$854.10	\$2,241.43	\$1,340.16	\$901.27	47.17	2.1%
90	111	18,255	\$3,156.85	\$1,929.19	\$1,227.66	\$3,224.76	\$1,929.19	\$1,295.57	67.91	2.2%
AVG.USE	42	6,844	\$1,188.46	\$723.27	\$465.19	\$1,213.92	\$723.27	\$490.65	25.46	2.1%

2015 In Effect

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	HIGH 0.325 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	8	1,790	\$303.52	\$189.17	\$114.35	\$310.18	\$189.17	\$121.01	\$6.66	2.2%
20	10	2,260	\$381.35	\$238.82	\$142.53	\$389.76	\$238.82	\$150.94	8.41	2.2%
30	15	3,555	\$593.94	\$375.69	\$218.25	\$607.17	\$375.69	\$231.48	13.23	2.2%
40	19	4,443	\$741.86	\$469.51	\$272.35	\$758.38	\$469.51	\$288.87	16.52	2.2%
50	23	5,341	\$891.37	\$564.46	\$326.91	\$911.24	\$564.46	\$346.78	19.87	2.2%
60	32	7,535	\$1,253.56	\$796.34	\$457.22	\$1,281.59	\$796.34	\$485.25	28.03	2.2%
70	40	9,456	\$1,571.11	\$999.35	\$571.76	\$1,606.29	\$999.35	\$606.94	35.18	2.2%
80	53	12,681	\$2,102.58	\$1,340.16	\$762.42	\$2,149.75	\$1,340.16	\$809.59	47.17	2.2%
90	77	18,255	\$3,026.97	\$1,929.19	\$1,097.78	\$3,094.88	\$1,929.19	\$1,165.69	67.91	2.2%
AVG.USE	29	6,844	\$1,138.80	\$723.27	\$415.53	\$1,164.26	\$723.27	\$440.99	25.46	2.2%

2015 In Effect

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 GENERAL POWER RATE G-4

LF = CUM % BILLS	LOW 0.125 MONTHLY KVA	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	20	1,790	\$349.36	\$189.17	\$160.19	\$356.02	\$189.17	\$166.85	\$6.66	1.9%
20	25	2,260	\$438.65	\$238.82	\$199.83	\$447.06	\$238.82	\$208.24	8.41	1.9%
30	39	3,555	\$685.62	\$375.69	\$309.93	\$698.85	\$375.69	\$323.16	13.23	1.9%
40	49	4,443	\$856.46	\$469.51	\$386.95	\$872.98	\$469.51	\$403.47	16.52	1.9%
50	59	5,341	\$1,028.89	\$564.46	\$464.43	\$1,048.76	\$564.46	\$484.30	19.87	1.9%
60	83	7,535	\$1,448.38	\$796.34	\$652.04	\$1,476.41	\$796.34	\$680.07	28.03	1.9%
70	104	9,456	\$1,815.59	\$999.35	\$816.24	\$1,850.77	\$999.35	\$851.42	35.18	1.9%
80	139	12,681	\$2,431.10	\$1,340.16	\$1,090.94	\$2,478.27	\$1,340.16	\$1,138.11	47.17	1.9%
90	200	18,255	\$3,496.83	\$1,929.19	\$1,567.64	\$3,564.74	\$1,929.19	\$1,635.55	67.91	1.9%
AVG.USE	75	6,844	\$1,314.52	\$723.27	\$591.25	\$1,339.98	\$723.27	\$616.71	25.46	1.9%

2015 In Effect

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

GENERAL POWER RATE G-4

DELIVERY SERVICES:

CUSTOMER		\$5.53	PER BILL
DISTRIBUTION (DEMAND)		\$1.75	PER KW
TRANSMISSION (DEMAND)		\$2.07	
DISTRIBUTION (ENERGY)	ALL KWH @	2.064	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	0.248	" "
TRANS RATE ADJ	" "	0.005	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 COMMERCIAL SPACE HEATING RATE G-5

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		93	\$22.45	\$9.83	\$12.62	\$22.79	\$9.83	\$12.96	\$0.34	1.5%
20		194	\$40.95	\$20.50	\$20.45	\$41.68	\$20.50	\$21.18	0.73	1.8%
30		283	\$57.27	\$29.91	\$27.36	\$58.32	\$29.91	\$28.41	1.05	1.8%
40		388	\$76.51	\$41.00	\$35.51	\$77.95	\$41.00	\$36.95	1.44	1.9%
50		505	\$97.96	\$53.37	\$44.59	\$99.84	\$53.37	\$46.47	1.88	1.9%
60		689	\$131.68	\$72.81	\$58.87	\$134.24	\$72.81	\$61.43	2.56	1.9%
70		984	\$185.75	\$103.99	\$81.76	\$189.41	\$103.99	\$85.42	3.66	2.0%
80		1,490	\$278.48	\$157.46	\$121.02	\$284.03	\$157.46	\$126.57	5.55	2.0%
90		2,902	\$537.28	\$306.68	\$230.60	\$548.07	\$306.68	\$241.39	10.79	2.0%
AVG.USE		1,563	\$291.87	\$165.18	\$126.69	\$297.68	\$165.18	\$132.50	5.81	2.0%

2015 In Effect

COMMERCIAL SPACE HEATING RATE G-5

DELIVERY SERVICES:

CUSTOMER \$5.40 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	3.671	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.040	" "
TRANS RATE ADJ	" "	-0.006	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

COMMERCIAL SPACE HEATING RATE G-5

DELIVERY SERVICES:

CUSTOMER \$5.40 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	3.671	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	2.040	" "
TRANS RATE ADJ	" "	-0.006	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 ALL ELECTRIC SCHOOLS RATE G-6

CUM % BILLS	KW	MONTHLY KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10		7,440	\$1,218.42	\$786.26	\$432.16	\$1,246.10	\$786.26	\$459.84	\$27.68	2.3%
20		18,000	\$2,909.29	\$1,902.24	\$1,007.05	\$2,976.25	\$1,902.24	\$1,074.01	66.96	2.3%
30		30,000	\$4,830.73	\$3,170.40	\$1,660.33	\$4,942.33	\$3,170.40	\$1,771.93	111.60	2.3%
40		38,160	\$6,137.31	\$4,032.75	\$2,104.56	\$6,279.27	\$4,032.75	\$2,246.52	141.96	2.3%
50		44,340	\$7,126.85	\$4,685.85	\$2,441.00	\$7,291.79	\$4,685.85	\$2,605.94	164.94	2.3%
60		54,081	\$8,686.62	\$5,715.31	\$2,971.31	\$8,887.81	\$5,715.31	\$3,172.50	201.19	2.3%
70		63,240	\$10,153.12	\$6,683.20	\$3,469.92	\$10,388.37	\$6,683.20	\$3,705.17	235.25	2.3%
80		95,220	\$15,273.76	\$10,062.85	\$5,210.91	\$15,627.98	\$10,062.85	\$5,565.13	354.22	2.3%
90		125,370	\$20,101.37	\$13,249.10	\$6,852.27	\$20,567.75	\$13,249.10	\$7,318.65	466.38	2.3%
AVG.USE		88,287	\$14,163.64	\$9,330.17	\$4,833.47	\$14,492.07	\$9,330.17	\$5,161.90	328.43	2.3%

2015 In Effect

ALL ELECTRIC SCHOOLS RATE G-6

DELIVERY SERVICES:

CUSTOMER \$27.13 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	1.700	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.689	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	1.472	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

2018 Planned

ALL ELECTRIC SCHOOLS RATE G-6

DELIVERY SERVICES:

CUSTOMER \$27.13 PER BILL

DISTRIBUTION (ENERGY)	ALL KWH @	1.700	CENTS/KWH
TRANSITION	" "	0.315	" "
TRANSMISSION (ENERGY)	" "	1.689	" "
TRANS RATE ADJ	" "	0.000	" "
DISTRIBUTION ADJ	" "	1.844	" "
DEFAULT SERV ADJ	" "	-0.032	" "
DEMAND-SIDE MGT	" "	0.250	" "
RENEWABLE ENERGY	" "	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED	ALL KWH @	10.568	CENTS/KWH
DEFAULT SERVICE - ADDER		0.000	

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	AVERAGE 0.466 MONTHLY KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2018 Planned SUPPLIER DELIVERY		DIFFERENCE	
	MONTHLY KW	KWH							AMOUNT	%
10	0	29	\$13.32	\$3.06	\$10.26	\$13.43	\$3.06	\$10.37	\$0.11	0.8%
20	1	491	\$89.63	\$51.89	\$37.74	\$91.46	\$51.89	\$39.57	1.83	2.0%
30	3	908	\$168.97	\$95.99	\$72.98	\$172.35	\$95.99	\$76.36	3.38	2.0%
40	6	1,987	\$353.45	\$209.99	\$143.46	\$360.85	\$209.99	\$150.86	7.40	2.1%
50	12	4,013	\$703.41	\$424.09	\$279.32	\$718.34	\$424.09	\$294.25	14.93	2.1%
60	25	8,483	\$1,473.33	\$896.52	\$576.81	\$1,504.89	\$896.52	\$608.37	31.56	2.1%
70	35	11,755	\$2,041.41	\$1,242.27	\$799.14	\$2,085.14	\$1,242.27	\$842.87	43.73	2.1%
80	43	14,470	\$2,509.96	\$1,529.16	\$980.80	\$2,563.79	\$1,529.16	\$1,034.63	53.83	2.1%
90	61	20,608	\$3,568.49	\$2,177.80	\$1,390.69	\$3,645.15	\$2,177.80	\$1,467.35	76.66	2.1%
AVG.USE	14	4,742	\$827.82	\$501.13	\$326.69	\$845.46	\$501.13	\$344.33	17.64	2.1%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2018 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	HIGH 0.666 MONTHLY KW	KWH	2015 In Effect			2018 Planned			DIFFERENCE	
			TOTAL	SUPPLIER	DELIVERY	TOTAL	SUPPLIER	DELIVERY	AMOUNT	%
10	0	29	\$13.32	\$3.06	\$10.26	\$13.43	\$3.06	\$10.37	\$0.11	0.8%
20	1	491	\$89.63	\$51.89	\$37.74	\$91.46	\$51.89	\$39.57	1.83	2.0%
30	2	908	\$159.48	\$95.99	\$63.49	\$162.86	\$95.99	\$66.87	3.38	2.1%
40	4	1,987	\$334.47	\$209.99	\$124.48	\$341.87	\$209.99	\$131.88	7.40	2.2%
50	8	4,013	\$665.45	\$424.09	\$241.36	\$680.38	\$424.09	\$256.29	14.93	2.2%
60	17	8,483	\$1,397.41	\$896.52	\$500.89	\$1,428.97	\$896.52	\$532.45	31.56	2.3%
70	24	11,755	\$1,937.02	\$1,242.27	\$694.75	\$1,980.75	\$1,242.27	\$738.48	43.73	2.3%
80	30	14,470	\$2,386.59	\$1,529.16	\$857.43	\$2,440.42	\$1,529.16	\$911.26	53.83	2.3%
90	42	20,608	\$3,388.18	\$2,177.80	\$1,210.38	\$3,464.84	\$2,177.80	\$1,287.04	76.66	2.3%
AVG.USE	10	4,742	\$789.86	\$501.13	\$288.73	\$807.50	\$501.13	\$306.37	17.64	2.2%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2018 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (ANNUAL)

LF = CUM % BILLS	LOW 0.266 MONTHLY KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2018 Planned SUPPLIER DELIVERY		DIFFERENCE	
		KWH							AMOUNT	%
10	0	29	\$13.32	\$3.06	\$10.26	\$13.43	\$3.06	\$10.37	\$0.11	0.8%
20	3	491	\$108.61	\$51.89	\$56.72	\$110.44	\$51.89	\$58.55	1.83	1.7%
30	5	908	\$187.95	\$95.99	\$91.96	\$191.33	\$95.99	\$95.34	3.38	1.8%
40	10	1,987	\$391.41	\$209.99	\$181.42	\$398.81	\$209.99	\$188.82	7.40	1.9%
50	21	4,013	\$788.82	\$424.09	\$364.73	\$803.75	\$424.09	\$379.66	14.93	1.9%
60	44	8,483	\$1,653.64	\$896.52	\$757.12	\$1,685.20	\$896.52	\$788.68	31.56	1.9%
70	61	11,755	\$2,288.15	\$1,242.27	\$1,045.88	\$2,331.88	\$1,242.27	\$1,089.61	43.73	1.9%
80	75	14,470	\$2,813.64	\$1,529.16	\$1,284.48	\$2,867.47	\$1,529.16	\$1,338.31	53.83	1.9%
90	106	20,608	\$3,995.54	\$2,177.80	\$1,817.74	\$4,072.20	\$2,177.80	\$1,894.40	76.66	1.9%
AVG.USE	24	4,742	\$922.72	\$501.13	\$421.59	\$940.36	\$501.13	\$439.23	17.64	1.9%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2018 Planned

SMALL GENERAL TOU RATE G-7 (ANNUAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.35 PER KW
 TRANSMISSION (DEMAND) \$6.14

	PEAK 23.66%	OFF PK 76.34%	
DISTRIBUTION (ENERGY)	2.362	1.673	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.004	0.004	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.172 WINTER KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2018 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH						AMOUNT	%		
10	0	0	\$9.13	\$0.00	\$9.13	\$9.13	\$0.00	\$9.13	\$0.00	0.0%
20	39	4,940	\$1,064.84	\$522.06	\$542.78	\$1,083.22	\$522.06	\$561.16	18.38	1.7%
30	66	8,211	\$1,770.92	\$867.74	\$903.18	\$1,801.46	\$867.74	\$933.72	30.54	1.7%
40	79	9,901	\$2,130.03	\$1,046.34	\$1,083.69	\$2,166.86	\$1,046.34	\$1,120.52	36.83	1.7%
50	86	10,800	\$2,321.57	\$1,141.34	\$1,180.23	\$2,361.74	\$1,141.34	\$1,220.40	40.17	1.7%
60	92	11,460	\$2,467.34	\$1,211.09	\$1,256.25	\$2,509.97	\$1,211.09	\$1,298.88	42.63	1.7%
70	100	12,560	\$2,698.32	\$1,327.34	\$1,370.98	\$2,745.04	\$1,327.34	\$1,417.70	46.72	1.7%
80	116	14,540	\$3,123.67	\$1,536.59	\$1,587.08	\$3,177.76	\$1,536.59	\$1,641.17	54.09	1.7%
90	138	17,280	\$3,711.43	\$1,826.15	\$1,885.28	\$3,775.71	\$1,826.15	\$1,949.56	64.28	1.7%
AVG.USE	4	532	\$121.62	\$56.22	\$65.40	\$123.60	\$56.22	\$67.38	1.98	1.6%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK 21.97%	OFF PK 78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2018 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK 21.97%	OFF PK 78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

CAPE LIGHT COMPACT
 TYPICAL BILL ANALYSIS
 SMALL GENERAL TOU RATE G-7 (SEASONAL)

LF = CUM % BILLS	AVERAGE 0.172 SUMMER KW		TOTAL	2015 In Effect SUPPLIER DELIVERY		TOTAL	2018 Planned SUPPLIER DELIVERY		DIFFERENCE	
	KWH	KWH							AMOUNT	%
10	0	0	\$9.13	\$0.00	\$9.13	\$9.13	\$0.00	\$9.13	\$0.00	0.0%
20	62	7,745	\$1,669.40	\$818.49	\$850.91	\$1,698.22	\$818.49	\$879.73	28.82	1.7%
30	82	10,320	\$2,217.73	\$1,090.62	\$1,127.11	\$2,256.12	\$1,090.62	\$1,165.50	38.39	1.7%
40	96	11,989	\$2,579.34	\$1,267.00	\$1,312.34	\$2,623.94	\$1,267.00	\$1,356.94	44.60	1.7%
50	102	12,756	\$2,742.92	\$1,348.05	\$1,394.87	\$2,790.37	\$1,348.05	\$1,442.32	47.45	1.7%
60	108	13,523	\$2,906.50	\$1,429.11	\$1,477.39	\$2,956.81	\$1,429.11	\$1,527.70	50.31	1.7%
70	114	14,290	\$3,070.09	\$1,510.17	\$1,559.92	\$3,123.24	\$1,510.17	\$1,613.07	53.15	1.7%
80	119	14,924	\$3,205.54	\$1,577.17	\$1,628.37	\$3,261.06	\$1,577.17	\$1,683.89	55.52	1.7%
90	124	15,532	\$3,336.67	\$1,641.42	\$1,695.25	\$3,394.45	\$1,641.42	\$1,753.03	57.78	1.7%
AVG.USE	7	919	\$204.00	\$97.12	\$106.88	\$207.42	\$97.12	\$110.30	3.42	1.7%

2015 In Effect

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK 21.97%	OFF PK 78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.472	1.472	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

2018 Planned

SMALL GENERAL TOU RATE G-7 (SEASONAL)

DELIVERY SERVICES:

CUSTOMER \$9.13 PER BILL

DISTRIBUTION (DEMAND) \$3.39 PER KW
 TRANSMISSION (DEMAND) \$2.60

	PEAK 21.97%	OFF PK 78.03%	
DISTRIBUTION (ENERGY)	4.546	3.833	CENTS/KWH
TRANSITION	0.315	0.315	" "
TRANSMISSION (ENERGY)	0.000	0.000	" "
TRANS RATE ADJ	0.029	0.029	" "
DISTRIBUTION ADJ	1.844	1.844	" "
DEFAULT SERV ADJ	-0.032	-0.032	" "
DEMAND-SIDE MGT	0.250	0.250	" "
RENEWABLE ENERGY	0.050	0.050	" "

SUPPLIER SERVICES:

DEFAULT SERVICE - FIXED 10.568 10.568 CENTS/KWH
 DEFAULT SERVICE - ADDER 0.000 0.000

**THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES**

CAPE LIGHT COMPACT

)
) D.P.U. 15-166
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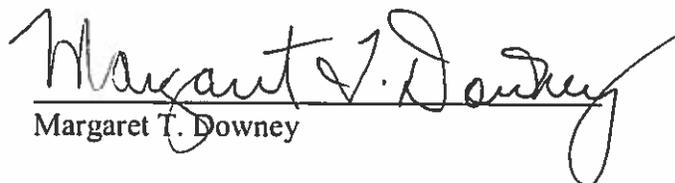
**AFFIDAVIT OF MARGARET T. DOWNEY ON BEHALF OF
THE CAPE LIGHT COMPACT**

I, Margaret T. Downey, do depose and say:

1. My name is Margaret T. Downey and my business address is c/o Cape Light Compact, 3195 Main Street, Barnstable, MA 02630.
2. I am the Administrator for the Cape Light Compact (the "Compact").
3. As the Compact's Administrator, I oversee the administration of the Compact and its development and implementation of its energy efficiency plans since 2001, as well as its provision of competitive energy supply through its municipal aggregation program. With respect to the Compact's activities as an electric energy efficiency program administrator, I oversee the Compact's annual energy efficiency program budget that is part of the three-year plan, approved by the Department of Public Utilities. I am responsible for local and state regulatory reporting and approvals, as well as the oversight of the participation and compliance in the ISO New England forward capacity market. I regularly make presentations and provide reports to customers, Compact staff, board members, regulatory agencies and community advocates. In addition, I serve as the Compact's representative on the Massachusetts Energy Efficiency Advisory Council.

4. I certify that the information contained in the Compact's Petition filed with the Department on October 30, 2015, was prepared by me or under my supervision and is true and accurate to the best of my knowledge and belief.

Signed under the pains and penalties of perjury as of this 30th day of October, 2015.


Margaret T. Downey

**THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES**

CAPE LIGHT COMPACT)
_____) D.P.U. 15-166
_____)

**AFFIDAVIT OF MARGARET SONG ON BEHALF OF
THE CAPE LIGHT COMPACT**

I, Margaret Song, do depose and say:

1. My name is Margaret Song and my business address is c/o Cape Light Compact, 3195 Main Street, Barnstable, MA 02630.

2. I am the Residential Program Manager for the Cape Light Compact (the “Compact”).

3. As the Compact’s Residential Program Manager, I oversee the implementation of Compact’s residential and low-income energy efficiency programs for Cape Cod and Martha’s Vineyard. In addition, I assisted in the design of the Compact-specific residential and low-income programs, as well as the development of the corresponding Compact budgets, savings goals.

4. On behalf of the Compact, I participate on the Residential Management Committee and assisted in the development of the residential and low-income program offerings that are included in the 2016-2018 Massachusetts Joint Statewide Three-Year Electric and Gas Energy Efficiency Plan.

5. I certify that the information concerning the Compact’s residential and low-income energy efficiency programs contained in the Compact’s 2016-2018 Three-Year Energy Efficiency Plan (Petition Exhibits Compact-1, Compact-10 and Compact-11) filed with the

Department on October 30, 2015, was prepared by me or under my supervision and is true and accurate to the best of my knowledge and belief.

Signed under the pains and penalties of perjury as of this 30th day of October, 2015.

Margaret Song

Margaret Song

**THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES**

CAPE LIGHT COMPACT)
_____) D.P.U. 15-166
_____)

**AFFIDAVIT OF MEREDITH MILLER ON BEHALF OF
THE CAPE LIGHT COMPACT**

I, Meredith Miller, do depose and say:

1. My name is Meredith Miller and my business address is c/o Cape Light Compact, 3195 Main Street, Barnstable, MA 02630.
2. I am the Commercial & Industrial Program Manager for the Cape Light Compact (the "Compact").
3. As the Compact's Commercial & Industrial Program Manager, I oversee the implementation of Compact's commercial & industrial ("C&I") energy efficiency programs for Cape Cod and Martha's Vineyard. In addition, I assisted in the design of the Compact-specific C&I program, as well as the development of the corresponding Compact budget and savings goals.
4. On behalf of the Compact, I participate on the C&I Management Committee and assisted in the development of the C&I program offerings that are included in the 2016-2018 Massachusetts Joint Statewide Three-Year Electric and Gas Energy Efficiency Plan.
5. I certify that the information concerning the Compact's C&I energy efficiency programs contained in the Compact's 2016-2018 Three-Year Energy Efficiency Plan (Petition Exhibits Compact-1, Compact-10 and Compact-11) filed with the Department on October 30,

2015, was prepared by me or under my supervision and is true and accurate to the best of my knowledge and belief.

Signed under the pains and penalties of perjury as of this 30th day of October, 2015.



Meredith Miller

**THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES**

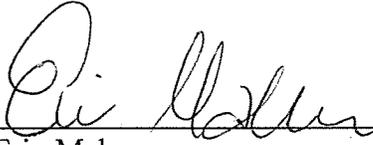
CAPE LIGHT COMPACT)
) D.P.U. 15-166
)

AFFIDAVIT OF ERIN MALONE

I, Erin Malone, do depose and say:

1. My name is Erin Malone and my business address is c/o Synapse Energy Economics, Inc., 485 Massachusetts Avenue, Suite 2, Cambridge, MA 02139.
2. I am an Associate for Synapse Energy Economics, Inc.
3. As consultant to the Compact, I assisted in the development of certain quantitative components in the Compact's 2016-2018 Three-Year Energy Efficiency Plan. Specifically, I was responsible for the Compact's quantitative analysis included in the Energy Efficiency Data Tables ("Data Tables"). To complete the Data Tables, I worked with the Compact to analyze costs, savings and benefits through internal budget modeling and the Benefit-Cost screening model, and coordinated with the Program Administrators on consistent program assumptions for all applicable calculations. I also assisted the Compact in the development of its Bill Impact Analysis.
4. I certify that the information concerning the quantitative analysis included in the Compact's Data Tables contained in Exhibit Compact-4 and the Bill Impact Analysis contained in Exhibit Compact-6 filed with the Department on October 30, 2015, was prepared by me or under my supervision and is true and accurate to the best of my knowledge and belief.

Signed under the pains and penalties of perjury as of this 30th day of October, 2015.



Erin Malone

**THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC UTILITIES**

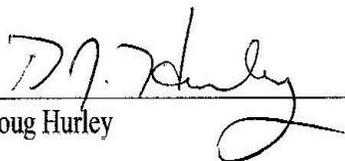
CAPE LIGHT COMPACT)
_____) D.P.U. 15-166
_____)

AFFIDAVIT OF DOUG HURLEY

I, Doug Hurley, do depose and say:

1. My name is Doug Hurley and my business address is c/o Synapse Energy Economics, Inc., 485 Massachusetts Avenue, Suite 2, Cambridge, MA 02139.
2. I am a Principal Associate for Synapse Energy Economics, Inc.
3. As consultant to the Compact, I assisted in the development in certain quantitative components of the Compact's 2016-2018 Three-Year Energy Efficiency Plan. Specifically, I have contributed in the areas of Forward Capacity Market ("FCM") calculations.
4. I certify that the information concerning FCM calculations contained in the Compact's Petition and accompanying exhibits filed with the Department on October 30, 2015, was prepared by me or under my supervision and is true and accurate to the best of my knowledge and belief.

Signed under the pains and penalties of perjury as of this 30th day of October, 2015.



Doug Hurley

Exhibit Compact-8

Statewide Comparison Tables

(To be submitted approximately two weeks after filing)

Exhibit Compact-9

Analysis of Variance in Statewide Comparison Tables

(To be submitted approximately two weeks after filing)

Introduction

In addition to the statewide plan, which is the core of the Compact’s approved 2013-2015 Three-Year Plan, the Compact provides specific program enhancements in several plan areas. These program enhancements result from the Governing Board’s policy direction to continue existing programs that are both successful and responsive to the Compact’s unique customer population. The Compact has tailored the statewide program offerings, where necessary to better meet its customers’ unique profiles and needs. The Compact’s Governing Board has determined that these enhancements are necessary to continue to best serve the needs and meet the demands of the Compact’s unique customer base.

In the following sections, the Compact explains by program the enhancements it proposes for the 2016-2018 Three-Year Plan term. In addition, the Compact provides a description of its enhancements to its 2016-2018 Energy Education offering, associated with the Residential Education offering. See the Statewide Plan for the full program descriptions associated with each program (See Section III of the Statewide Plan, annexed as Exhibit Compact-1 to the Compact’s Petition).

Residential and Low-Income Program Descriptions

Residential Whole House

Program Goals	The Compact expects lifetime energy savings of 284,181 MWh.
Program Budget	\$50,849,827
Compact Enhancements	<p><u>Home Energy Services Initiative</u></p> <p>The Compact has identified cost-effective enhancements during the 2013-2015 term that assist customers with identified barriers such as split incentives and difficulty with co-payments. To address these issues, the Compact has offered 100% incentives, up to the program cap of \$4,000, for qualified weatherization incentives (in a fuel blind manner) for year-round renters that are responsible for payment of the electric bill, those customers whose income is within 61-80% of state median income, and those that are operated by municipalities or other government entities.</p> <p>The Compact raised the cap for weatherization to \$4,000 for all customers after it identified that average recommendations often surpassed the previous cap of \$2,000. The change has allowed customers to make improvements within one year rather than over several years.</p>

	<p><u>Multi-Family Retrofit Initiative</u></p> <p>In addition to serving customers whose facilities are heated with electricity, the Compact is proposing to also serve customers with oil-and/or propane-heated facilities in order to provide enhanced benefits for increased participation at Multi-Family sites based upon the pending RCS updates by the Massachusetts Department of Energy Resources.</p> <p><u>Residential Behavior Feedback</u></p> <p>The Compact is offering its customers a unique initiative which is designed to promote energy savings through the use of automation tools that will give homeowners the ability to remotely control their homes’ energy usage as well as potentially offer demand response incentives.</p>
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Residential Products

Program Goals	The Compact expects lifetime energy savings of 332,165 MWh.
Program Budget	\$12,691,029
Compact Enhancements	<p><u>Residential Lighting</u></p> <p>To continue educating customers in how to make smart, efficient lighting choices, the Compact will work with towns on the Cape and Vineyard in 2016 to offer a free LED bulb to town residents who attend the annual Town Meeting. In addition to the give-away, the Compact will provide residents with educational materials on how to make the best lighting purchase for their needs.</p>

Commercial & Industrial (“C&I”) Program Descriptions

C&I New Construction and Major Renovation

Program Goals	The Compact expects lifetime energy savings of 135,687 MWh.
Program Budget	\$4,006,049
Compact Enhancements	<p>The Compact continues to offer its municipal customers specialized incentives that cover 100% of incremental custom measure costs as part of this program.</p> <p>In 2016, the Compact proposes to enhance its new construction and major renovation program to include cost-effective thermal measures designed to save oil, propane and other unregulated fuels.</p>

C&I Retrofit Program for Existing Buildings

Program Goals	The Compact expects lifetime energy savings of 793,980 MWh.
Program Budget	\$40,053,121
Compact Enhancements	<p>The Compact continues to offer its municipal customers specialized incentives that cover 100% of custom and direct install cost-effective measure costs as part of this program.</p> <p>The Compact also plans to continue two special incentive options first adopted in 2013 to assist small business customers further in overcoming barriers to participation: a 95% incentive option for qualifying small business tenants; and for other small businesses, the zero interest financing option.</p> <p>For 2016, the Compact is rolling out several additional enhancements to its C&I Retrofit Program, each designed to further reduce barriers to participation for key customer segments.</p> <p>First, the Compact proposes to enhance its commercial and industrial retrofit program to include all cost-effective thermal measures designed to save oil, propane and other unregulated fuels.</p> <p>Second, the Compact is launching a new effort for its small C&I customers. The new initiative will be modeled after the HES program and will include a BEA (Business Energy Audit) and a core offering of deemed savings measures, many of which can be installed in the first visit, some at 100% incentive coverage. For its small business direct install customers, the Compact continues to offer higher incentives for standard Direct Install measures (up to 100% rather than up to 70% as offered in the Statewide Plan).</p> <p>Third, the Compact plans to begin phasing in segment-focused delivery options.</p> <p>Fourth, the Compact will also offer 100% incentive for all cost-effective measures for up to 100 (first come, first serve) non-profit corporations on Cape Cod and Martha's Vineyard per year as follows: (a) Non-profit organizations must be a 501(c)(3); (b) Operating more than 5 years with an unrestricted annual operating revenue of less than \$15M for non-profit serving low income customers and less than \$2M for all other non-profit organizations.</p>

Special Marketing and Education Activities

Energy Education

<p>Program Goals</p>	<p>Recognizing that education is key to affecting change in our society, the Compact has made a strong commitment to education outreach and continues to be a nationally recognized leader in the design and implementation of energy education programs. The Compact strives to address the continuing need for greater consumer awareness and encourage the development of deeper and broader community knowledge and commitment of energy efficiency technology and practices.</p> <p>Using a model for science-based learning, the Compact’s energy education program aligned with the Massachusetts State Frameworks for Science and Technology allowing teachers to introduce lessons discussing energy efficiency and conservation as well as emerging renewable energy technologies.</p>
<p>Program Budget</p>	<p>\$375,000</p>
<p>Compact Enhancements</p>	<ul style="list-style-type: none"> • Coordination between other PAs and education agencies on teacher training, In-service, workshops and graduate level courses for teachers • Co-ordination for “Kids Teaching Kids” program at the high school and middle school level • Support and coordination for school and community based Energy Clubs • In-class hands-on presentations on <ol style="list-style-type: none"> 1. Science of Energy and Energy Transformations 2. Energy Sources (renewable and non-renewable) 3. Electricity 4. Energy Efficiency and Conservation 5. Hydrogen Fuel Cells and Biofuels 6. Climate Change • Statewide Awards program in conjunction with other PAs, the Division of Energy Resources and the NEED Youth Awards Program • Support for school-based “Energy” summer camps • Support for school districts STEM improvements through energy education

	<p><i>New Program Enhancements:</i></p> <ul style="list-style-type: none">• Classroom based energy efficiency education program designed to continue to the home in educational outreach to the school families.• This program will capture savings through measures taken by the students in their own homes through kits supplied to them by the Compact.
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Cape Light Compact Demand Response Demonstration Offering

As described below, the Cape Light Compact (“Compact”) is proposing a Demand Response Demonstration Offering (“DR Demonstration Offering”) as part of its 2016-2018 Three-Year Energy Efficiency Plan.¹ Demand response (“DR”), however, is inextricably linked to grid modernization (“Grid Mod”) and rate design. Currently, the Department of Public Utilities (“Department”) has docketed each of the electric utilities’ proposed Grid Mod plans for Department review and approval. The Compact’s ability to implement a fully developed DR Demonstration Offering as part of its 2016-2018 Energy Efficiency Plan is dependent upon the outcomes of the Grid Mod dockets and the related implementation of Time Varying Rates (“TVR”) in the Commonwealth.²

A. The Compact’s Proposed Interim Demand Response Demonstration Offering

1. Offering Overview

The Compact proposes to roll out its DR Demonstration Offering to customers of Cape Cod and Martha’s Vineyard in the second quarter of 2016. The goals of this DR Demonstration Offering are to reduce customer demand through curtailment events and to encourage load-shifting through technology and behavioral change.

- Building on the success of the behavioral initiatives pioneered early in the field, the Compact will begin to establish the platform for the “connected home” (and possibly “connected business”) and will install The Energy Detective (“TED”) devices on up to 200 residential and small commercial electric meters through the Compact’s Home Energy Assessment (“HES”) and Business Energy Assessment (“BEA”) initiatives.
 - TED will allow electric customers to access their electric usage on a real time basis through a Cape Light Compact customized application on their mobile device or computer.
- Through a mobile application, the Compact plans to enable the “connected home,” allowing customers to view real time energy use in their homes and businesses and to permit better management of their energy consumption and costs.
- The Compact intends to hold approximately 7-10 events each year over the 2016-2018 timeframe. During these events, customers will be asked to curtail electric usage for a specified number of hours during the event. Customers who successfully participate in the event will be provided an incentive payment.

¹ The Act Relative to Green Communities (2008) as amended by An Act Relative to Competitively Priced Electricity in the Commonwealth (2012) (“GCA”) expressly directs that the three-year plans for electric offering administrators “shall provide for the acquisition of all available energy efficiency and demand reduction resources.” G.L. c. 25, § 21(b)(1).

² The Compact provided comments to the Department in D.P.U. 14-04 (Investigation into Time Varying Rates) and intends to participate in D.P.U. 15-122 (NSTAR Electric Company, d.b.a. Eversource, Grid Mod Plan).

- If the customer is participating in the Compact's power supply program, the customer could be eligible for additional savings through a critical peak pricing option.
- Initially, participation in the Compact's DR Demonstration Offering will be targeted towards those customers with central air conditioning and electric heat. Participants will be offered Wi-Fi thermostats free of charge. The Compact will install Wi-Fi thermostats through its direct install core initiatives. Wi-Fi thermostats are available to all other customers with potential co-pays (as applicable).
- The Compact intends to incorporate connected appliances such as dishwashers, washing machines, refrigerators, freezers and smart window ACs. Potential rebates for smart appliances have not been determined at this time.
- The "connected home" is expected to grow in value by providing enhanced DR and energy efficiency benefits as other plug load uses, such as pool pumps/heaters, heat pump water heaters, electric vehicle charging stations become available.

2. Customer Education, Outreach and Engagement

The Compact will build on its existing community outreach efforts to offer the "connected home" DR Demonstration Offering. The Compact will promote the DR Demonstration Offering through its website, e-newsletter, and community civic/energy committee meetings.

3. Budget Goals

The attached Table 1 provides an estimate of the proposed budget for the DR Demonstration Offering as proposed.

B. The Next Generation of the Compact's DR Demonstration Offering

1. The Importance of Full Implementation of DR

The unique demographics of the Cape and Vineyard, the effects of generation retirement on SEMA capacity costs, the level of energy efficiency program participation, and growth of distributed energy resources present the case for a highly motivated market for DR. The Compact's DR Demonstration Offering will enable the Compact to further explore this market during the 2016-2018 Three-Year term.

Of particular importance is the ability of DR offerings to reduce demand during ISO-NE's annual system peak hour. Doing so allows participants, assuming ISO-NE settlement-quality data is available, to reduce their installed capacity tags. Given that FCM results show SEMA capacity prices for new resources reaching the administratively-set maximum for 2018-2019, reduced demand could help mitigate the multiple-cent price increase Cape and Vineyard ratepayers will face as a result of increasing capacity prices. Because capacity prices will begin increasing dramatically in 2017, a faster rollout is a priority. Reducing peak usage in the SEMA

zone is the most effective method to prevent Cape and Vineyard electric customers from this impending rate increase.

2. Impediments to the Compact's Full Implementation of Demand Response

The Compact's unique status as the only municipal aggregator Program Administrator complicates its implementation of its ideal DR offering during the 2016-2018 Three-Year term. Ideally, the Compact would propose the installation of advanced metering instead of a TED but cannot do so until implementation of the local distribution company's Grid Mod plan. Advanced metering would provide seamless access to real-time energy usage, allowing customers to better understand and manage their consumption, would allow for two-way communications, and would provide the granular and accurate load data which would be required for the implementation of TVR as a method to reduce peak usage.

a. Implementation of TVR

The Compact is supportive of an opt-out TVR offering because experience has shown that while average participant response may be lower for opt-out offerings; higher participation outweighs this effect, resulting in more cost-effective DR offerings.³ The Compact acknowledges that the Grid Mod plans filed by the distribution companies are inconsistent regarding implementation of TVR offerings. The Compact believes that there must be consistency between the offerings of distribution companies regarding the type of TVR (opt-out or opt-in) and customer TVR eligibility (basic service and competitive supply) so a full array of DR offerings may be available to the maximum number of customers and the full potential benefits of DR realized.

b. Energy Storage

The Compact maintains that a fully integrated DR offering should incorporate energy storage. The availability of TVR is necessary to capture full DR benefits from energy storage. Energy storage, both small and large scale, continues to decrease in price, making it an increasingly viable option for customers interested in DR options. Energy storage is presently being marketed by solar installation companies as a complement to photovoltaic ("PV") installations. Additionally, energy storage is a non-wires alternative ("NWA"); in certain circumstances that provides a more cost-effective solution than traditional infrastructure upgrades as a means of meeting demand in congested areas. See National Grid DR Pilot Updates, by Tim Roughan, Washington, DC, May 28, 2015 (noting NWAs provide for the integration of customer-facing resources such as energy efficiency and distributed energy resources along with utility/grid-facing resources that together, in specific geographic areas, defer a planned transmission or distribution infrastructure investment). The Compact plans to advocate for policies that will

³ Page vi, Department of Energy, "Interim Report on Customer Acceptance, Retention, and Response to Time-Based Rates from the Consumer Behavior Studies," June, 2015:
http://energy.gov/sites/prod/files/2015/06/f24/ARRA-CBS_interim_offering_impact_report_June2015.pdf.

encourage the effective deployment of storage to defer infrastructure investments and allow storage owners to monetize these benefits.

c. Customer Data and AMI Electric Meters

As noted above, the installation of AMI electric meters is necessary to realize the full benefits of a DR offering. Moreover, participation in ISO New England's Demand Response Program is a priority as it will maximize the benefits of DR for electric ratepayers. ISO New England requires 5-minute interval data for participation in its DR program. This level of customer data is presently not available from the majority of existing electric meters on Cape Cod and Martha's Vineyard.⁴ As such, in order to fully implement a DR offering to effectively reduce the peak on Cape Cod and Martha's Vineyard, upgrades to existing customer electric meters to AMI meters will be required. The Compact maintains that the cost for meter upgrades should be borne by the local distribution company on its regulated portion of the electric bill and not through the energy efficiency surcharge. The Compact strongly supports analysis that evaluates whether the cost of deploying AMI meters in the SEMA zone accompanied by full deployment of DR is less expensive for SEMA electric customers than the anticipated customer bill increases due to SEMA capacity prices, as noted above.

⁴ While TED can provide real-time usage data for customers, it may not satisfy the data requirements for participating in ISO-NE energy and capacity markets. The Compact will work with ISO-NE to establish whether data from the installed TEDs can be used in these markets.

2016 Cape Light Compact Demand Response Budget						
Sector	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs
A - Residential	\$ -	\$ 4,500	\$ 5,850	\$ 156,957	\$ -	\$ 167,307
B - Low-Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C - Commercial & Industrial	\$ -	\$ 500	\$ 650	\$ 17,440	\$ -	\$ 18,590
Grand Total	\$ -	\$ 5,000	\$ 6,500	\$ 174,397	\$ -	\$ 185,897

2017 Cape Light Compact Demand Response Budget						
Sector	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs
A - Residential	\$ -	\$ 4,500	\$ 11,700	\$ 224,817	\$ -	\$ 241,017
B - Low-Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C - Commercial & Industrial	\$ -	\$ 500	\$ 1,300	\$ 24,980	\$ -	\$ 26,780
Grand Total	\$ -	\$ 5,000	\$ 13,000	\$ 249,797	\$ -	\$ 267,797

2018 Cape Light Compact Demand Response Budget						
Sector	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs
A - Residential	\$ -	\$ 4,500	\$ 17,550	\$ 292,677	\$ -	\$ 314,727
B - Low-Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C - Commercial & Industrial	\$ -	\$ 500	\$ 1,950	\$ 32,520	\$ -	\$ 34,970
Grand Total	\$ -	\$ 5,000	\$ 19,500	\$ 325,197	\$ -	\$ 349,697

2016-2018 Cape Light Compact Demand Response Budget						
Sector	Program Planning and Administration	Marketing and Advertising	Participant Incentive	Sales, Technical Assistance & Training	Evaluation and Market Research	Total Program Costs
A - Residential	\$ -	\$ 13,500	\$ 35,100	\$ 674,452	\$ -	\$ 723,052
B - Low-Income	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
C - Commercial & Industrial	\$ -	\$ 1,500	\$ 3,900	\$ 74,940	\$ -	\$ 80,340
Grand Total	\$ -	\$ 15,000	\$ 39,000	\$ 749,392	\$ -	\$ 803,392