

**STATE OF MAINE  
PUBLIC UTILITIES COMMISSION**

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	)	Docket No. 2015-00175
EFFICIENCY MAINE TRUST	)	
REQUEST FOR APPROVAL OF THIRD	)	May 25, 2016
TRIENNIAL PLAN	)	
	)	STIPULATION
	)	
_____	)	

The Efficiency Maine Trust (“EMT” or “the Trust”), the Office of the Public Advocate (“OPA”), Central Maine Power (“CMP”), Emera Maine (“Emera”), Summit Natural Gas of Maine (“Summit”), Northern Utilities, Natural Resources Council of Maine (“NRCM”), (collectively “the Parties”), hereby stipulate and agree as follows:

**I. Purpose**

The Purpose of this Stipulation is to achieve an agreed upon resolution of certain issues in Docket No. 2015-00175 in order to reduce the number of issues that require litigation, expedite the Commission’s consideration and resolution of the proceeding, and avoid missing opportunities for cost-effective savings. If approved by the Commission, this Stipulation would enable the Trust to determine what measures the Commission approves as cost-effective and then estimate the quantity of measures that can be achieved and the cost of procuring the savings from those measures with sufficient time to prepare for the start of the new fiscal year.

The issues settled by this Stipulation pertain to: (1) the description of energy efficiency programs to be included in EMT’s Third Triennial Plan (FY 2017 – FY 2019) (the Plan), as further set forth in Section V(A), below; (2) the approach to further consideration of issues and processes related to the Plan’s Strategic Initiatives, as further set forth below in Section V(B), below; (3) the methodology and

assumptions for determining the measures and amounts of energy efficiency that are cost-effective, reliable and achievable (maximum achievable cost-effective efficiency or MACE) through electricity conservation programs and natural gas conservation programs, and the performance metrics and budget impacts associated with these MACE levels, as further set forth below in Sections V(C) and (D), and Exhibit A; (4) a process to periodically review and update the Plan, pursuant to 35-A M.R.S. § 10104(6), as further set forth below in Section V(E); and (5) Section VI(A) sets forth issues that are not resolved by this Stipulation, and will be litigated and resolved by the Commission in Docket 2015-00175, and Section VI(B) enumerates certain issues that will be the subject of continued review and future determination in a Phase II of this proceeding or in a new proceeding.

The provisions agreed to in this Stipulation have been reached as a result of information obtained through discovery and discussion among the Parties and the Staff. The Parties agree that the terms of the Stipulation are in the public interest and that they will work together to obtain Commission approval.

## **II. Procedural History and Background**

On December 17, 2015 the Trust filed its Petition for Approval (Petition) of the Triennial Plan pursuant to 35-A M.R.S. §10104(4). As proposed, the Plan consisted of a detailed description of eight programs to provide information, incentives, and quality assurance related to customer-sited energy upgrades. It also described three strategic initiatives that support the programs. For the 3-year period of the Plan, the Trust identified as cost-effective, reliable and achievable energy savings totaling more than 850,000 MWh of electricity, and 373,000 MMBtu of natural gas, and 1 million MMBtu of unregulated fuels. The Trust calculated these energy savings by applying assumptions developed by the Trust for avoided costs, discount rates, net-to-gross impacts, line losses, and loads. Subsequent adjustments to the Plan's estimated savings reflect updated energy and equipment prices and the assumptions and

methodology agreed upon in the terms of this Stipulation, the results of which are presented in Exhibit A – Performance Metrics and Budget Allocation.

The Trust’s Petition requested that the Commission approve the Plan and incorporate into natural gas and electric transmission and distribution utility rates sufficient revenue to provide for the full procurement of cost-effective electricity and natural gas efficiency resources identified within the Plan.

On December 22, 2015, the Hearing Examiner issued a Notice of Proceeding that provided for the opportunity to intervene. The OPA, CMP, Emera, BNG, MNG, Northern Utilities, Summit, Calpine Corporation, NRCM, CLF and IECG filed petitions to intervene in the proceeding, all of which the Commission Staff granted.

On January 14 and 15, 2016, EMT filed supporting documents, including models used to calculate the MACE energy savings potential for electricity and natural gas, as requested by Commission Staff.

On January 19 and 20, 2016, Commission Staff convened initial technical conferences on the Plan and supporting documents.

On or about January 25, EMT provided responses to 64 oral data requests.

On February 4, 2016 the Commission Staff filed a report, “Benchmarking Maine’s Energy Efficiency Performance” by Energy Futures Group et al, dated October 23, 2015.

On February 17, 2016, intervenor testimony was filed by CMP, BNG, MNG, Northern and NRCM and CLF.

On February 24, 2016, the Commission Staff filed a Bench Analysis in which it estimated electricity and natural gas MACE during the Plan period using a methodology and set of assumptions that differed from those used by EMT in its Petition. The differences included screening on a net basis and at the measure level, and assumptions for avoided costs, discount rates, net-to-gross ratios, and line losses,

as well as an adjustment related to the decline in the paper industry loads. The Bench Analysis was accompanied by supporting documentation as well as two reports prepared by consultants to the Commission. Energy Futures Group, Cx Associates and Wirtshafter Associates, *Review of Efficiency Maine Trust's 2017-2019 Third Triennial Plan*, February 24, 2016; and Johnson Consulting Group and Mesa Point Energy, *Technical Review, Analysis, and Recommendations Regarding Efficiency Maine Trust's Technical Reference Manuals*, February 23, 2016.

On March 2, 2016, Commission Staff convened a technical conference to review the Bench Analysis.

On March 11, 2016, EMT, the Staff and the intervenors participated in an initial settlement conference. Subsequent settlement conferences were held on March 17, April 8, April 14, April 20, and May 3, 2016.

On March 16, 2016, the Trust and CLF-NRCM filed rebuttal testimony. On March 24, the Trust filed supplemental rebuttal testimony, which included re-modeling of the estimates of cost-effective savings potential for electricity and natural gas measures during the period of the Plan. The re-modeled estimates resulted from the assumptions and methodology used by the Staff in the Bench Analysis for avoided costs, discount rates and net-to-gross impacts, and EMT-modified assumptions, including assumptions regarding line losses. The re-modeled estimates also incorporated certain program design and budgeting adjustments related to LED lights and certain groupings of commercial and industrial measures, referred to as “measure bundles”.

The Commission convened adjudicatory hearings on March 30, 2106 and April 8, 2016.

The Parties have now agreed to resolve certain issues by stipulation, which agreement is contingent upon the Commission's approval of this Stipulation becoming final.

### **III. Record**

The record in this case provides sufficient evidence to support the reasonableness of this Stipulation. These materials include:

- EMT’s Petition for Approval of the Triennial Plan for Fiscal Years 2017-2019 and supporting materials, as amended,
- Testimony submitted by Intervenors,
- Rebuttal testimony and supplemental testimony and supporting information submitted by EMT,
- Documents and information provided in response to written and oral data requests,
- Documents and information provided by the Commission’s expert consultants,
- Transcripts of the Technical Conferences and Hearings,
- Additional modeling by EMT of the performance metrics and budgets associated with the supplemental testimony and the terms of this Stipulation, and
- Bench Analysis and supporting materials.

### **IV. Parties and the Settlement Process.**

To accept a stipulation, the Commission must find that:

- a. The parties joining the stipulation represent a sufficiently broad spectrum of interests that the Commission can be assured that there is no appearance or reality of disenfranchisement;
- b. The process that led to the stipulation was fair to all parties;
- c. The stipulated result is reasonable and is not contrary to legislative mandates; and
- d. The overall stipulated result is in the public interest.<sup>1</sup>

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<sup>1</sup> *Central Maine Power Company and Public Service Of New Hampshire, Request for Certificate of Public Convenience and Necessity for the Maine Power Reliability Program*, Docket No. 2008-255, Order Approving Stipulation at 18 (June 10, 2010); *see also Central Maine Power Company, Request for Approval of Alternative Rate Plan*, Docket No. 99-666 (Nov. 16, 2000); *Central Maine Power Company, Proposed Increase in Rates*, Docket No. 92-345(II) (Jan. 10, 1995).

The undersigned Parties agree that each of these prongs is satisfied here. The Parties joining this Stipulation represent a broad spectrum of interests, including most active Parties to this docket. The process that led to the stipulation was fair and open to all parties. Every settlement conference was noticed; the Commission's telebridge was made available for the convenience of the Parties; supporting documentation for settlement discussions was made available to all Parties; and all Parties were allowed full participation at each discussion.

The parties agree that the stipulated result is reasonable, supported by the record in this proceeding, not contrary to legislative mandates, and is in the public interest.

**V. Recommended Approvals and Findings.**

Based on the record in this case, the Parties agree and recommend that the Commission issue an order that approves, accepts, and adopts this Stipulation and approves the Trust's proposed Plan, as modified by the adjustments and agreements enumerated below, and the resulting performance metrics and budgets which are set forth in Exhibit A.

**A. Program Descriptions**

**1. Electricity Conservation Program Design and Implementation**

The Parties agree that the Plan should include the following elements not contained in the Petition:

- a. Commercial and Industrial (C&I) Custom Program. EMT will screen the eligibility and cost-effectiveness of combined heat and power (CHP) proposals on a case-by-case basis to verify the technical details and to ensure that the proposed projects are sized appropriately to the thermal load and not to the generation load. The Parties agree that the Plan's estimate of the market potential for cost-effective CHP in

Maine was developed by using thermal load as a qualifying criterion for participant buildings.

b. Other C&I Programs. Under the Plan, EMT will not offer incentives on non-LED lighting fixtures or bulbs in the C&I customer sectors. Exceptions will be allowed for projects approved prior to July 1, 2016 under the Second Triennial Plan. EMT will also promote and offer incentives on certain measure bundles that were not contained in the Petition but were subsequently identified and agreed to by the Parties to be cost-effective, achievable and reliable given the interactive effects of the measures when bundled. The categories of measure bundles that will be added to the Plan are:

- *Standard Lighting Bundle* - This bundle is comprised of controls and replacement of existing fixtures with LED-equivalent-fixtures where the appropriate number of replacement fixtures is determined by amount of lumens needed to replace the existing fixtures, not the number of existing fixtures. The parties agree that in its rebuttal testimony the Trust demonstrated that the following measure bundles are likely be cost-effective, achievable and reliable and should be included in the Plan: a) T12/T8 Base to High Bay LED with control and b) Efficient Lighting Bundle – HID Base to High Bay LED with control. The parties agree to further examine, in Phase II, whether the additional standard lighting bundles included in EMT’s rebuttal should be included in future budgets.
- *Lighting Design Bundle* - This bundle is similar to the Standard Lighting Bundle but also includes a combination of occupancy and daylight sensors and requires the project to perform a lighting power density check focused on

reducing the number of fixtures and lumens. The parties agree that in its rebuttal testimony the Trust demonstrated that the lighting design measure bundles are likely be cost-effective, achievable, and reliable and should be included in the Plan.

- *Ventilation Design Bundle* - This bundle is a combination of demand controlled ventilation, air sealing, and variable frequency drives (VFDs). The parties agree that in its rebuttal testimony the Trust demonstrated that the Ventilation Bundle 15 hp measure is likely be cost-effective, achievable and reliable and should be included in the Plan. The Parties agree to further examine, in Phase II, whether the additional ventilation bundle included in EMT's rebuttal should be included in future budgets.

The Parties also agree that C&I refrigeration measures with benefit/cost ratios below 1.0 (as measured by the Approved Screening Methodology and Assumptions (Approved Screening M&A) set forth in Section V(D) below) will not be included in the Plan as a result of this Stipulation but will be examined for potential inclusion as part of Phase II.

The performance metrics and budgets for the Plan as set forth in Exhibit A reflect these adjustments.



c. Small Business Initiative

EMT will operate a pilot program in FY17 or FY18 to evaluate incorporation of non-lighting measures into this program. The cost of this pilot program is included in the budgets set forth in Exhibit A.

d. Consumer Products Program. EMT will discontinue providing incentives on compact fluorescent light (CFL) bulbs. Instead, LEDs meeting the criteria of an EnergyStar CFL or better will be eligible for incentives through this program. The performance metrics and budgets set forth in Exhibit A reflect this adjustment.

e. Low Income Initiatives. EMT will extend the program design change noted above in the Consumer Products Program to the lights provided through the Low Income Initiatives. EMT will discontinue providing CFLs through this initiative and will shift to providing LEDs. The performance metrics and budgets set forth in Exhibit A reflect this adjustment. The Parties also agree to continue their review in Phase II of the Approved Measures and Approved Screening M&A as they relate to the Low Income Initiatives in the Plan.

## **2. Natural Gas Conservation Program Design and Implementation**

The Parties agree that the program design and implementation processes described in the EMT Petition, as modified by the terms of this Stipulation, are reasonable. The Parties further agree that the Plan should include the following elements not contained in the Petition:

- a. EMT shall pursue efficiency upgrades at the time a new customer is added to the system. EMT agrees to collaborate with each Local Distribution Company (LDC) to ensure that new customers receive timely communications regarding the benefits associated with efficiency upgrades and the availability of energy efficiency information, tips, financing, and financial incentives through EMT programs.
- b. In order to encourage higher participation rates by new customers and customers replacing burned out heating equipment, and considering the present environment of relatively low gas prices and prices for heating oil and propane, EMT shall design incentives to reflect the assumptions about incentives contained in the EMT's Natural Gas Potential Study- High Case<sup>2</sup> for the period covered by the Plan, unless modified as part of the process set forth in Section V(E), below. The performance metrics and budgets set forth in Exhibit A reflect this adjustment.
- c. EMT shall continue to offer an enhanced combination of rebates funded through the natural gas assessment funds and RGGI to qualifying residential natural gas customers.

### **3. Additional Program Design and Implementation Issues**

EMT will earmark 10% of RGGI program budgets to the budget for Low Income Initiatives. These funds will be delivered as described in the Plan. There is no change to the overall amount of the budget, but the allocation of the RGGI revenues to individual programs will be changed to reflect this adjustment and performance metrics will be adjusted accordingly.

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<sup>2</sup> Other assumptions will reflect the Low Case, as proposed by EMT in the Petition.

**B. Strategic Initiatives -- Evaluation, Measurement and Verification (EM&V)**

1. As set forth in Section VI(B)(5) below, the Parties agree to continue consideration of EM&V-related issues and processes in Phase II of this proceeding.
2. Pending the outcome of Phase II, to allow for larger samples and more frequent evaluations, the Evaluation, Measurement, and Verification (EM&V) budget will be increased to 2.5% of the Program Budgets. Any change that results from Phase II regarding EM&V will not affect the FY2017 budget, but may result in a different budget level for subsequent FYs. The budgets of the Plan set forth in Exhibit A reflect this adjustment.

**C. MACE, Budgets, and Performance Metrics**

**1. Electricity**

The Parties agree to the following approach to establish the measures, programs, performance metrics and budgets for electricity MACE for each year of the Plan, as may be modified pursuant to the process described in Section V(E), below:

- a. The total electricity budgets and associated performance metrics result from application of the Approved Screening M&A and are set forth in Exhibit A.
- b. The Parties agree that the effect of changes in the paper company sub-sector's share of load shall be reflected by applying one-half of the budget and savings adjustments set forth in the Staff Bench Analysis in this docket at p. 19.
- c. Program designs and measures shall be as set forth in the EMT Petition and supporting exhibits, as originally filed, with the changes that result from application of

the Approved Screening M&A and the items and assumptions described in Section V(A), below.

d. The Electric Procurement Order Budgets (EPOB) for each year of the Plan period shall initially be set based on the total electricity budgets that result from application of the Approved Screening M&A less the forecasted revenue from the Forward Capacity Market (FCM) and the Maine Power Reliability Program (MPRP) settlement as set forth in Exhibit A. To the extent revenue from the FCM is less than the amounts set forth in Exhibit A for reasons outside of the control of EMT, or is diverted by directives outside of the control of EMT to uses other than the EMT electricity conservation budgets, the EMT may seek, as part of the Annual Update process described in Section V(E), an increase to the EPOB consistent with the total electricity budgets set forth in Exhibit A or as modified through the Annual Update process. Conversely, to the extent revenue from the FCM is greater than the amounts shown in Exhibit A, the EPOB may be reduced consistent with these same budgets. In addition, to the extent funds from other sources are available for the electricity conservation program (e.g., long term contracts or Yankee settlement funds approved for such purposes by the Commission, or RGGI funds allocated for such purposes by the EMT Board), such funds should also be netted against the total electricity budget to determine the EPOB.

## **2. Natural Gas**

a. For FY2017, the first year of the Plan, the Parties agree to set MACE based on the 2015 customer and load levels reported by each LDC and further agree that this results

in estimated MACE natural gas savings of 64,405 MMBtu and an associated budget of \$2.38 million (inclusive of non-program costs)<sup>3</sup>, as set forth in Exhibit A. This MACE amount of savings for FY2017 is exclusive of large volume customers, defined as LDC customers that consume more than 1 million CCF/year, pursuant to the moratorium set by the Legislature. *See*, “An Act to Exempt Certain Natural Gas Consumers From an Assessment and to Extend a Moratorium on Assessments for Other Large Volume Consumers of Natural Gas,” P.L. 2016 ch. 425 P. 12-13. This amount of savings is also exclusive of savings associated with Summit residential customers, consistent with the Commission’s Order in the Second Triennial Plan docket on the Trust’s amendment to its natural gas conservation program. *Efficiency Maine Trust Second Triennial Plan*, Docket No. 2012-00449, Order on Trust’s Proposed Addendum to Amend its Natural Gas Conservation Program (July 13, 2015). The Parties agree that the natural gas budgets for FY2018 and FY2019 shall initially be set at the FY2017 level. The Parties further agree that, for FY2018 and FY2019, the budgets shall be reset prior to the start of each fiscal year consistent with the terms of this Stipulation. Specifically, but for any Significant Change pursuant to the process set forth in Section V(E), the FY2018 and FY2019 budgets will be set by adjusting the initial budget by LDC customer growth<sup>4</sup> (for residential and small business customers and programs) and load growth of up to 5% (for all other C&I customers and programs) in the prior calendar year. For example, if year-over-year residential and small business customer growth for the calendar year prior to FY2018 was 5%, the budget for residential and small business programs for FY2018 would be

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<sup>3</sup> The cost of natural gas efficiency procurement in FY2017, exclusive of non-program costs, is \$2.128 million.

<sup>4</sup> Growth as used in this paragraph may be a positive or negative value.

set at 5% more than the prior year's budget. The Parties agree that if other C&I customer load growth is in excess of 5% in any year, the budget adjustment for the year pursuant to this section would be capped at 5% and any additional increase in excess of 5% would be a Significant Change and treated in accordance with section Section V(E) of this Stipulation. The Parties agree that large volume customers shall be reflected in the FY2018 and FY2019 budgets as indicated by applicable legislatively established treatment. To facilitate timely calculation of these adjustments, each LDC will submit to EMT, under the terms of the Commission's Protective Order issued in 2012-00449, a report of the actual billed sales (therms or ccf) and actual number of customers, by customer class, from the two prior years by February 1 of each year. Billed sales for large volume customers shall be provided on a customer-by-customer basis under appropriate Protective Order treatment. But for any proposed Significant Change pursuant to the process set forth in Section V(E), the FY2018 and FY2019 budgets, resulting performance metrics and supporting calculations pursuant to this provision shall be filed with the Commission on or before May 1<sup>st</sup> of each year as a compliance filing. Unless found not to be in compliance with this provision, the FY2018 and FY2019 budgets will be reset consistent with the EMT filing.

b. EMT will segregate funds from each LDC and track the use of each LDC's funds separately. EMT will not use funds from an LDC to provide incentives for a customer of another LDC. EMT will allocate administrative costs, delivery costs, and EM&V costs of the natural gas conservation programs to the account of each LDC based on each LDC's pro rata share of funding received by EMT.

### **3. Approved Measures**

The Parties agree that application of the cost-effectiveness screening pursuant to the terms of this Stipulation and the provisions of Paragraph V(D), below, establish overall electricity and natural gas budgets and program budget allocations, and that the results do not prescribe a specific set of measures to be offered by EMT programs throughout the Plan period. Rather, the measures to be offered during the Plan period, that is, the Approved Measures, shall be (i) consistent with the terms of this Stipulation and (ii) cost-effective under the Approved Screening M&A at the start of the fiscal year or at the time a new measure is added to the TRM. Approved Measures shall be included and identified in the EMT Technical Reference Manuals (TRM).

#### **D. Approved Screening Methodology and Assumptions for Determining Electricity MACE and Approved Measures**

The Parties agree that the Approved Screening M&A described in this section, as may be modified pursuant to Section V(E), (i) shall be the basis for determining electricity MACE during the Plan period and (ii) results in the performance metrics and budgets for electricity programs set forth in Exhibit A. The Approved Screening M&A will also be the basis for determining Approved Measures for electricity and natural gas pursuant to Paragraph V.C.3 above. The components of the Approved Screening M&A are as follows:

1. Avoided Costs. Avoided electric energy and capacity costs, and avoided natural gas costs, are as reflected in the Staff Bench Analysis High Case. Commission Staff, *Bench Analysis*, Docket 2015-00175, February 24, 2016, pp. 15-16. Avoided T&D

costs are as reflected in the EMT Petition and Rebuttal. See, EMT, *Response to ODR 001-011*, Docket No. 2015-00175.

2. Discount Rates. Real discount rates are determined using a 1.88% long-term inflation rate and the following nominal discount rates:
  - a. 8.50% for funds collected by the utilities from electricity and natural gas ratepayers that are or will be remitted to EMT pursuant to an electricity procurement order or long-term contract, or through the natural gas assessment process, or any proceeds from Yankee settlements received by EMT
  - b. 4.36% for revenues EMT receives or will receive from (i) the Forward Capacity Market (FCM) operated by the Independent System Operator for New England (ISO-NE), (ii) the Maine Power Reliability Program (MPRP) settlement, (iii) the Regional Greenhouse Gas Initiative (RGGI) <sup>5</sup>, (iv) other utility shareholder funded settlements, or (v) grants received during the Plan period.
  - c. To implement this Discount Rate provision for determining electricity MACE and electricity Approved Measures, a weighted average Discount Rate shall be calculated using the relative amounts of funding from the sources listed in (i) and (ii) above.
3. Net-to-Gross. Benefit-to-cost ratios will be determined on a net basis and at the measure or measure bundle level. Net-to-gross ratios for measures and measure bundles will be based on the applicable TRM or, if no TRM ratio is available, a default Net-to-Gross ratio of 0.75 will be used.
4. Line Losses. Modeling of MACE shall reflect an 8% line loss factor for capacity/demand and energy.

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<sup>5</sup> This section does not apply to RGGI funds used for heating oil and other fuels measures. Rather, the use of RGGI funds for heating oil and other fuel measures is governed by 35-A M.R.S., §10109.



## **E. Adjustments and Update Process**

The Parties agree to the following reporting requirements and processes for changes to the Plan during the Plan period.

1. Annual Report. On or before December 1<sup>st</sup> of each year, EMT shall file with the Commission an Annual Report. The Annual Report shall include all of the items set forth in 35-A M.R.S. §10104 (5), as well as any Non-Significant Changes pursuant to Section V(E)(3), below.
2. Annual Update. On or before March 1st of each year, EMT shall file with the Commission an Annual Update in which any proposed Significant Changes pursuant to Section V(E)(4), below, shall be described and documented.
3. Non-significant Changes. During the Plan period, the Trust is authorized to make the following types of changes to program design, performance metrics and budgets without receiving prior Commission approval, so long as the action is consistent with Title 35-A and is individually identified and described in the Trust's Annual Report:
  - a. Within Program Budgets by Fuel Type, shift funds among measures that are Approved Measures as defined above in Section V(D);
  - b. Across Program Budgets, shift up to and including a threshold of either 10% or \$1,000,000 (whichever is less) from one Program Budget to another Program Budget of the same fuel type;
  - c. Adjust incentive levels consistent with the Program Budgets established for the Plan;
  - d. Adjust program delivery methods;

e. Carry forward any committed, but unspent, funds from the Program Budget or the Strategic Initiatives Budget (i.e., Innovation, EM&V, Public Information) to the same program or strategic initiative for next fiscal year, without review of whether there should be a corresponding reduction to the assessment or procurement order amounts, where unspent funds are established by the Trust's independent audit (Annual Financial Report) as filed with the State of Maine, Office of the State Controller, and where committed funds include:

- i. All projected costs associated with individual projects that have been reviewed and awarded by EMT, as of June 30, in the C&I Custom Program or C&I New Construction Program, regardless of whether they are under contract;
- ii. All projected costs associated with individual projects that, as of June 30, have been pre-approved under the C&I Prescriptive Program, the C&I Small Business Initiative, or the Low Income Program;
- iii. Any amounts that have been put under contract or MOU by EMT, by June 30 of a given year, for upstream distributors or retailers, evaluations, measurement and verification initiatives, innovation pilot projects, or public information initiatives, administration, or inter-agency transfers; and,
- iv. Any amounts that are held in a loan fund, loan portfolio, or loan loss reserve.

f. Carry forward unspent and uncommitted Program Budget or Strategic Initiative funds into the next fiscal year without review of whether there should be a

corresponding reduction to the assessment or procurement order amounts as long as the unspent and uncommitted funds are less than 1/12th (8.33%) of the Program Budget or 8.33% of the Strategic Initiative Budget for the year; or,

g. Carry forward and redistribute to the Program Budget any unspent and uncommitted funds that are less than 8.33% of the Administrative Budget.

4. Significant Changes: During the Plan period, any changes not set forth in Section V.E.3 above shall be considered Significant Changes and shall require Commission approval before they may be implemented. Significant Changes include, but are not necessarily limited to:
  - a. A shift of more than the threshold set for Non-Significant Changes above from a Program Budget to another program or programs;
  - b. Funding of electricity or natural gas measures that are not an Approved Measure;
  - c. Modification of the Approved Screening M&A;
  - d. Modification of the total annual budgets set forth in Exhibit A for electricity programs;
  - e. Modification of the annual budgets for natural gas programs as set forth in Exhibit A and as adjusted for FY2018 and FY 2019 pursuant to Section V(C)(2)<sup>6</sup> ;
  - f. Carrying forward unspent and uncommitted funds of 8.33% or more of a Program Budget or Strategic Initiative Budget into a subsequent fiscal year, where unspent funds and uncommitted funds are defined as described in Section V(E)(3)(e), above.
5. The performance metrics and budgets contained in the Annual Update shall reflect the inclusion of large volume customers located in each natural gas LDCs territory unless

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<sup>6</sup> The natural gas LDCs reserve the right to assert an position, legal or otherwise (including, but not limited to, positions based on the language of 35-A § 10104) relative to any request for a modification to the annual budgets for natural gas programs.

such customer is a wholesale generator with a nameplate capacity of 3 MW or greater or has otherwise been exempted in accordance with Legislation.

6. The Parties agree that EMT and the Parties will pursue a collaborative process in the development of future Annual Updates and Triennial Plans.

## **VI. Issues Requiring Further Process**

### **A. Litigation**

The Parties agree that litigation in this proceeding is limited to the issues of (i) whether it is appropriate to use natural gas assessments collected pursuant to 35-A M.R.S. §10111 to promote conversions from other fuels to natural gas and (ii) whether the funding for financial rebates offered by Summit Natural Gas of Maine to its residential customers for efficiency measures should be remitted to and administered by EMT, and whether the Summit rates should be adjusted accordingly.

### **B. Phase II**

The Parties agree to defer litigation and decisions on certain other issues not resolved by this Stipulation to a Phase II of this proceeding and a newly-initiated proceeding to consider a potential pilot program related to voltage optimization.

The certain other issues are set forth below:

1. *HVAC Standard Bundle* – Examine the potential cost-effectiveness and maximum achievable potential for a combination of air conditioning (AC) equipment and duct sealing for use in the C&I sector.
2. *HVAC Design Bundle* – Examine the potential cost-effectiveness and maximum achievable potential for a bundled measure comprising the Standard HVAC Bundle

plus controls and “right sizing,” where right sizing refers to checking to ensure the HVAC equipment is sized correctly for the building size and needs, for use in the C&I sector.

3. *Refrigeration Measures* – Examine the potential cost-effectiveness and maximum achievable potential for refrigeration equipment serving the C&I sector.
4. *Very Large Project Stranded Investments* – Examine ways to mitigate “stranded investments” where EMT provides financial incentives to very large projects and the host participant subsequently discontinues operations, including whether EMT should take a security interest in very large project investments.
5. *Evaluations & TRMs* – Consider issues and processes related to future evaluations and TRM updates.
6. *LEDs* – Examine LED incentive levels to determine whether incentive levels and/or delivery and other program costs other than those set forth in Section V(A)(1)(d) and reflected in Exhibit A for Consumer Products, if applied in FY2018 and FY2019, would yield the same or greater savings as presented in Exhibit A for those years.
7. *T&ST Customers* – Examine whether there should be a limit on the amount of funds from the FCM that are allocated to projects for transmission and sub-transmission (T&ST) level customers in FY2018 and FY2019, giving consideration to various factors including T&ST customers’ contributions to funding for EMT programs relative to other electricity customers and EMT’s contributions to T&ST customer projects relative to other sub-sectors over the past five years.
8. *Low Income* – Examine options for fulfilling the statutory mandates regarding budget allocations of electricity and gas conservation funds while meeting the criteria for

cost-effectiveness. Given the magnitude of the budget allocation for the low income program and the importance of delivering program benefits to this customer segment in a timely manner, the Parties will endeavor to resolve this issue within 60 days of the date this Stipulation is approved. As part of this examination, the Parties agree to collaborate in analyzing the impact of efficiency programs on reducing “bad debt” and determining to what extent the impact of any such reduction should be treated as a benefit when calculating cost-effectiveness.

9. *Voltage Optimization Pilot Program* – The parties agree that the Commission should initiate an adjudicatory proceeding to consider whether EMT, the utilities, and/or some other entity should conduct a pilot program for voltage optimization measures for electric utility T&D systems and, if so, how such a program should be designed and paid for.

## **VII. Procedural Stipulations**

### **A. Staff Presentation of Stipulation**

The Parties to this Stipulation hereby waive any rights that they have under 5 M.R.S. § 9062(4) and Chapter 110 §8(F)(4) of the Commission Rules of Practice and Procedure to the extent necessary to permit Staff to discuss this Stipulation and the resolution of the issues addressed in this Stipulation with the Commissioners, either before or at the Commission’s scheduled deliberations, without providing to the Parties an Examiner’s Report or the opportunity to file Exceptions, provided, however, that with respect to any future proceedings on issues left unresolved by this Stipulation, including without limitation any Phase II proceedings in Docket No. 2015-00175 or any other docket, any future Commission investigation or proceeding, or any

other trial or action, the Parties do not hereby waive any rights that they have under 5 M.R.S. §§ 9051-9064 or Chapter 110 of the Commission Rules of Practice and Procedure.

**B. Record**

The record on which the Parties enter into this Stipulation and on which the Commission may base its determination whether to accept and approve this Stipulation shall consist of this Stipulation, the items identified in Section III above, and any other material furnished by the Advisory Staff or the Parties to the Commission, either orally or in writing, to assist the Commission in deciding whether to accept and approve this Stipulation.

**C. Non-precedential effect**

This Stipulation represents a compromise among the Parties. The Parties agree that this Stipulation shall not be considered precedent as to any matter of law or fact and shall not preclude any party, whether participating as a settling Party or not, from making any contention, or exercising any rights, including the right of appeal, in Phase II of this proceeding, any Annual Update proceedings under Section V(E), or in any future Commission investigation or proceeding or any other trial or action.

**D. Stipulation as Integrated Document**

This Stipulation represents the full agreement between the Parties with respect to the subject matter hereof and rejection of any part of this Stipulation constitutes a rejection of the whole.

**E. Incorporation of Exhibits**

All exhibits referenced to in this Stipulation are incorporated herein by reference and are intended to be considered as part of this Stipulation as if there terms were fully set forth in the body of this Stipulation.

**F. Void if Rejected**

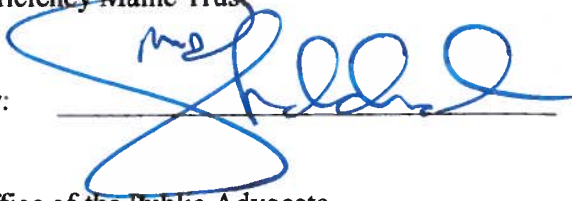
If not accepted by the Commission in accordance with the provisions hereof, this Stipulation shall be void and of no further effect and shall not prejudice any position taken by any Party before the Commission in this proceeding and shall not be admissible evidence therein or in any other proceeding before this Commission.

**Respectfully submitted this 25th day of May, 2016.**

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Efficiency Maine Trust

By:  \_\_\_\_\_

Office of the Public Advocate

By: \_\_\_\_\_

Central Maine Power Company

By: \_\_\_\_\_

Emera Maine

By: \_\_\_\_\_

Northern Utilities, Inc., d/b/a Unitil

By: \_\_\_\_\_

Summit Natural Gas of Maine, Inc.

By: \_\_\_\_\_

Natural Resources Council of Maine

By: \_\_\_\_\_

By: \_\_\_\_\_

Efficiency Maine Trust

By: \_\_\_\_\_

Office of the Public Advocate

By: *Lizbeth Formley*  
\_\_\_\_\_

Central Maine Power Company

By: \_\_\_\_\_

Emera Maine

By: \_\_\_\_\_

Northern Utilities, Inc., d/b/a Unitil

By: \_\_\_\_\_

Summit Natural Gas of Maine, Inc.

By: \_\_\_\_\_

Natural Resources Council of Maine

By: \_\_\_\_\_

By: \_\_\_\_\_

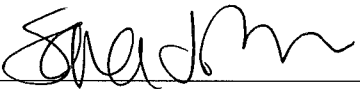
Efficiency Maine Trust

By: \_\_\_\_\_

Office of the Public Advocate

By: \_\_\_\_\_

Central Maine Power Company

By:  \_\_\_\_\_

Sara J. Burns  
President & CEO

Emera Maine

By: \_\_\_\_\_

Northern Utilities, Inc., d/b/a Unitil

By: \_\_\_\_\_

Summit Natural Gas of Maine, Inc.

By: \_\_\_\_\_

Natural Resources Council of Maine

By: \_\_\_\_\_

By: \_\_\_\_\_

Efficiency Maine Trust

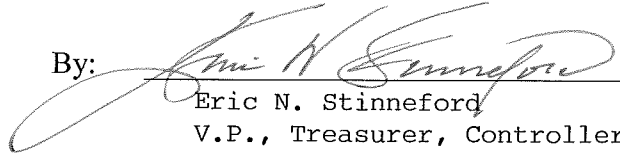
By: \_\_\_\_\_

Office of the Public Advocate

By: \_\_\_\_\_

Central Maine Power Company

By: \_\_\_\_\_

  
Eric N. Stinneford  
V.P., Treasurer, Controller & Clerk  
Emera Maine

By: \_\_\_\_\_

Northern Utilities, Inc., d/b/a Unitil

By: \_\_\_\_\_

Summit Natural Gas of Maine, Inc.

By: \_\_\_\_\_

Natural Resources Council of Maine

By: \_\_\_\_\_

By: \_\_\_\_\_

Efficiency Maine Trust

By: \_\_\_\_\_

Office of the Public Advocate

By: \_\_\_\_\_

Central Maine Power Company

By: \_\_\_\_\_

Emera Maine

By: *Ken Ushley* \_\_\_\_\_

Northern Utilities, Inc., d/b/a Unitil

By: \_\_\_\_\_

Summit Natural Gas of Maine, Inc.

By: \_\_\_\_\_

Natural Resources Council of Maine

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Efficiency Maine Trust

By: \_\_\_\_\_

Office of the Public Advocate

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Central Maine Power Company

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Emera Maine

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Northern Utilities, Inc., d/b/a Unitil

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By: \_\_\_\_\_

Summit Natural Gas of Maine, Inc.

By: \_\_\_\_\_

Natural Resources Council of Maine

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Efficiency Maine Trust

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Office of the Public Advocate

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Central Maine Power Company

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Northern Utilities, Inc., d/b/a Unitil

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Office of the Public Advocate

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Central Maine Power Company

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Emera Maine

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Northern Utilities, Inc., d/b/a Unitil

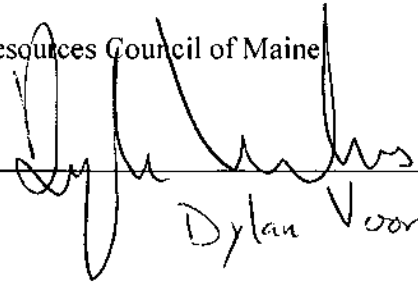
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Summit Natural Gas of Maine, Inc.

By: \_\_\_\_\_

Natural Resources Council of Maine

By: \_\_\_\_\_



Dylan Voorhees

By: \_\_\_\_\_



## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Program Funding

#### FY 2017 Forecast (With Additional FCM and MPRP Revenue)

Line	Programs	Funding Sources (\$)							Total
		Electric Efficiency Procurement	Natural Gas Efficiency Procurement	RGGI	MPRP	FCM	Long Term Contract	Federal / Other	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Low Income Initiatives	3,411,769	203,137	1,198,885	300,000	-	-	-	5,113,790
1a	Low Income Direct Install	3,240,430							3,240,430
1b	Low Income Additional Funding	171,338	203,137	1,198,885	300,000				1,873,360
2	Consumer Products	8,543,980	-	-	260,000	1,760,000	-	-	10,563,980
2a	Consumer Products Total	8,543,980			260,000	1,760,000			10,563,980
3	Home Energy Savings Program	5,277,820	331,803	4,795,538	-	-	-	-	10,405,161
3a	HESP Electric Measures	5,277,820							5,277,820
3b	HESP Natural Gas Measures		331,803						331,803
3c	HESP All Fuels Measures			4,795,538	-				4,795,538
4	C&I Prescriptive Program	5,778,314	1,298,692	1,498,606	260,000	1,320,000	-	-	10,155,612
4a	Prescriptive Electric Measures	5,778,314			260,000	1,320,000			7,358,314
4b	Prescriptive Natural Gas Measures		1,298,692						1,298,692
4c	Prescriptive All Fuels Measures			1,498,606					1,498,606
5	C&I Custom Program	3,420,378	77,263	2,997,212	500,000	1,320,000	-	-	8,314,853
5a	Custom Electric Measures	3,420,378			500,000	1,320,000			5,240,378
5b	Custom Natural Gas Measures		77,263						77,263
5c	Custom GHG Measures			2,997,212					2,997,212
6	Commercial Small Business	1,967,317	-	-					1,967,317
6a	Small Business Lighting	1,889,629							1,889,629
6b	Small Business Non-Lighting	77,688							77,688
7	Commercial New Construction / MAB	400,865	217,147	1,498,606					2,116,618
8	Renewables	-	-	-	-	-	-	50,000	50,000
9	Programs Subtotal	\$ 28,800,444	\$ 2,128,042	\$ 11,988,846	\$ 1,320,000	\$ 4,400,000	\$ -	\$ 50,000	\$ 48,687,332
10	Innovation	292,204	21,280	136,000	15,000	50,000			514,485
11	Public Information	146,102	10,640	68,000	7,500	25,000			257,242
12	Administration	2,045,431	148,963	800,000	105,000	350,000			3,449,394
13	EM&V	730,511	53,201	340,000	37,500	125,000			1,286,212
14	Inter-Agency Transfers	292,204	21,280	3,267,154	15,000	50,000			3,645,639
15	All Programs Total	\$ 32,306,897	\$ 2,383,407	\$ 16,600,000	\$ 1,500,000	\$ 5,000,000	\$ -	\$ 50,000	\$ 57,840,304

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Program Energy Savings

#### FY 2017 Forecast (With Additional FCM and MPRP Revenue)

Line	Programs	Electric Savings (MWh)	Demand Savings (MW) <sup>1</sup>	Natural Gas (MMBtu)	Heating Oil and Other (MMBtu)	All Fuels Sub Total
	(1)	(10)	(11)	(12)	(13)	(14)
1	Low Income Initiatives	21,377	3.3	2,834	19,769	22,603
1a	Low Income Direct Install	13,546	2.1			-
1b	Low Income Additional Funding	7,831	1.2	2,834	19,769	22,603
2	Consumer Products	116,614	20.5	-	-	-
2a	Consumer Products Total	116,614	20.5			-
3	Home Energy Savings Program	15,098	0.4	4,624	63,249	67,873
3a	HESP Electric Measures	15,098	0.4			-
3b	HESP Natural Gas Measures	-	-	4,624		4,624
3c	HESP All Fuels Measures	-	-		63,249	63,249
4	C&I Prescriptive Program	38,177	6.6	45,017	42,744	87,761
4a	Prescriptive Electric Measures	38,177	6.6			-
4b	Prescriptive Natural Gas Measures	-	-	45,017		45,017
4c	Prescriptive All Fuels Measures	-	-		42,744	42,744
5	C&I Custom Program	59,109	9.4	3,540	43,539	47,079
5a	Custom Electric Measures	59,109	9.4			-
5b	Custom Natural Gas Measures	-	-	3,540		3,540
5c	Custom GHG Measures	-	-		43,539	43,539
6	Commercial Small Business	5,535	1.0	-	-	-
6a	Small Business Lighting	5,210	0.9			
6b	Small Business Non-Lighting	325	0.1			
7	Commercial New Construction / MAB	2,347	0.4	7,527	21,631	29,158
8	Renewables	-	-	-	-	-
9	Programs Subtotal	258,257	41.6	63,541	190,932	254,473
10	Innovation					
11	Public Information					
12	Administration					
13	EM&V					
14	Inter-Agency Transfers					
15	All Programs Total	258,257	41.6	63,541	190,932	254,473

Notes:

<sup>1</sup>This column indicates new demand savings that will be achieved during the year. It does not reflect the gradual retirements of earlier vintage demand reductions that are projected to occur during the year.

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Statutory Requirements and Performance Metrics

#### FY 2017 Forecast (With Additional FCM and MPRP Revenue)

		Statutory Requirements and Performance Metrics					Annualized CO2
Line	Programs	Homes Weatherized (% of Total) <sup>2</sup>	Summer Peak Elec Load Reduction (MW)	Annualized Electricity Savings (MWh)	Annualized Natural Gas Savings (Million cf)	Annualized Liq. Fossil Fuel Savings (Million Gals)	Reductions (Million Tons) <sup>3</sup>
	(1)	(15)	(16)	(17)	(18)	(19)	(20)
1	Low Income Initiatives		3.3	21,377	2.8	0.1	12.7
1a	Low Income Direct Install		2.1	13,546	-	-	6.9
1b	Low Income Additional Funding		1.2	7,831	2.8	0.1	5.8
2	Consumer Products		20.5	116,614	-	-	59.8
2a	Consumer Products Total		20.5	116,614	-	-	59.8
3	Home Energy Savings Program	2.312%	0.4	15,098	4.5	0.5	13.1
3a	HESP Electric Measures		0.4	15,098	-	-	7.7
3b	HESP Natural Gas Measures		-	-	4.5	-	0.3
3c	HESP All Fuels Measures		-	-	-	0.5	5.1
4	C&I Prescriptive Program		6.6	38,177	43.9	0.3	25.7
4a	Prescriptive Electric Measures		6.6	38,177	-	-	19.6
4b	Prescriptive Natural Gas Measures		-	-	43.9	-	2.6
4c	Prescriptive All Fuels Measures		-	-	-	0.3	3.4
5	C&I Custom Program		9.4	59,109	3.5	0.3	34.0
5a	Custom Electric Measures		9.4	59,109	-	-	30.3
5b	Custom Natural Gas Measures		-	-	3.5	-	0.2
5c	Custom GHG Measures		-	-	-	0.3	3.5
6	Commercial Small Business		1.0	5,535	-	-	2.8
6a	Small Business Lighting		0.9	5,210	-	-	2.7
6b	Small Business Non-Lighting		0.1	325	-	-	0.2
7	Commercial New Construction / MAB		0.4	2,347	7.3	0.2	3.4
8	Renewables	-	-	-	-	-	-
9	Programs Subtotal	2.312%	41.6	258,256.7	62.0	1.4	151.6
10	Innovation						
11	Public Information						
12	Administration						
13	EM&V						
14	Inter-Agency Transfers						
15	All Programs Total	2.312%	41.6	258,257	62.0	1.4	151.6

Notes:

<sup>2</sup> Residential Weatherization assumes 450,000 homes as a baseline. The percentage of weatherized homes is based on the number of participating homes in the fiscal year. This includes both new participants and returning participants who install additional weatherization measures.

<sup>3</sup> CO<sub>2</sub> savings are calculated without regard to the effects of Maine's participation in the Regional Greenhouse Gas Initiative.

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Statutory Requirements and Performance Metrics

#### FY 2017 Forecast (With Additional FCM and MPRP Revenue)

		Statutory Requirements and Performance Metrics					
Line	Programs (1)	Benefit / Cost Ratio (21)	Allocation to Low-	Allocation to Small	Job-Years Created <sup>4</sup> (24)	Lifetime Benefit (25)	Participant Cost (26)
			Income (\$M) For Sec. 10110(2)(B)(1) (22)	Business (\$M) For Sec. 10110(2)(B)(2) (23)			
1	Low Income Initiatives	1.00	5.11			\$ 5,113,790	\$ -
1a	Low Income Direct Install	1.00	3.24			3,240,430	-
1b	Low Income Additional Funding	1.00	1.87			1,873,360	-
2	Consumer Products	1.43				\$ 18,275,686	\$ 2,199,009
2a	Consumer Products Total	1.43				18,275,686	2,199,009
3	Home Energy Savings Program	2.28				\$ 88,928,310	\$ 28,568,119
3a	HESP Electric Measures	2.82				51,843,384	10,318,943
3b	HESP Natural Gas Measures	1.50				3,704,438	1,274,901
3c	HESP All Fuels Measures	1.53				33,380,488	16,974,275
4	C&I Prescriptive Program	1.44				\$ 33,695,420	\$ 13,283,416
4a	Prescriptive Electric Measures	1.30				15,888,146	4,307,148
4b	Prescriptive Natural Gas Measures	3.67				4,101,996	477,869
4c	Prescriptive All Fuels Measures	1.37				13,705,278	8,498,399
5	C&I Custom Program	3.11				\$ 36,488,369	\$ 3,399,141
5a	Custom Electric Measures	3.99				25,972,471	1,267,119
5b	Custom Natural Gas Measures	1.98				217,799	22,412
5c	Custom GHG Measures	2.02				10,298,100	2,109,610
6	Commercial Small Business	1.34		1.97		\$ 3,486,417	\$ 392,195
6a	Small Business Lighting	1.34		1.89		3,281,468	369,139
6b	Small Business Non-Lighting	1.34		0.08		204,949	23,055
7	Commercial New Construction / MAB	2.43				\$ 1,299,718	\$ 86,016
8	Renewables	-	-	-		-	-
9	Programs Subtotal	1.94	5.11	1.97		\$ 187,287,710	\$ 47,927,896
10	Innovation						
11	Public Information						
12	Administration						
13	EM&V						
14	Inter-Agency Transfers						
15	All Programs Total	1.77	5.11	1.97	538	\$ 187,287,710	\$ 47,927,896

Note:

<sup>4</sup> Assumes 9.3 job-years created per million invested in energy efficiency. Source: Assessing National Employment Impacts of Investment in Residential and Commercial Sector Energy Efficiency," Pacific Northwest National Laboratory, June 2014.

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Program Funding

#### FY 2018 Forecast (With Additional FCM and MPRP Revenue)

Line	Programs	Funding Sources (\$)							Total
		Electric Efficiency Procurement	Natural Gas Efficiency Procurement	RGGI	MPRP	FCM	Long Term Contract	Federal / Other	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Low Income Initiatives	3,464,426	203,137	1,322,385	300,000	-	-	-	5,289,947
1a	Low Income Direct Install	3,059,675							3,059,675
1b	Low Income Additional Funding	404,751	203,137	1,322,385	300,000				2,230,273
2	Consumer Products	4,421,079	-	-	260,000	4,928,000	-	-	9,609,079
2a	Consumer Products Total	4,421,079			260,000	4,928,000			9,609,079
3	Home Energy Savings Program	6,009,483	331,803	5,289,538	-	-	-	-	11,630,824
3a	HESP Electric Measures	6,009,483							6,009,483
3b	HESP Natural Gas Measures		331,803						331,803
3c	HESP All Fuels Measures			5,289,538	-				5,289,538
4	C&I Prescriptive Program	3,728,181	1,298,692	1,652,981	260,000	3,696,000	-	-	10,635,854
4a	Prescriptive Electric Measures	3,728,181			260,000	3,696,000			7,684,181
4b	Prescriptive Natural Gas Measures		1,298,692						1,298,692
4c	Prescriptive All Fuels Measures			1,652,981					1,652,981
5	C&I Custom Program	1,344,055	77,263	3,305,962	500,000	3,696,000	-	-	8,923,280
5a	Custom Electric Measures	1,344,055			500,000	3,696,000			5,540,055
5b	Custom Natural Gas Measures		77,263						77,263
5c	Custom GHG Measures			3,305,962					3,305,962
6	Commercial Small Business	2,126,073	-	-					2,126,073
6a	Small Business Lighting	1,955,564							1,955,564
6b	Small Business Non-Lighting	170,508							170,508
7	Commercial New Construction / MAB	459,306	217,147	1,652,981					2,329,434
8	Renewables	-	-	-	-	-	-	50,000	50,000
9	Programs Subtotal	\$ 21,552,601	\$ 2,128,042	\$ 13,223,846	\$ 1,320,000	\$ 12,320,000	\$ -	\$ 50,000	\$ 50,594,490
10	Innovation	208,926	21,280	149,000	15,000	140,000			534,206
11	Public Information	104,463	10,640	74,500	7,500	70,000			267,103
12	Administration	1,462,482	148,963	800,000	105,000	980,000			3,496,445
13	EM&V	522,315	53,201	372,500	37,500	350,000			1,335,516
14	Inter-Agency Transfers	208,926	21,280	3,280,154	15,000	140,000			3,665,360
15	All Programs Total	\$ 24,059,714	\$ 2,383,407	\$ 17,900,000	\$ 1,500,000	\$ 14,000,000	\$ -	\$ 50,000	\$ 59,893,121

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Program Energy Savings

#### FY 2018 Forecast (With Additional FCM and MPRP Revenue)

Line	Programs	Electric Savings (MWh)	Demand Savings (MW) <sup>1</sup>	Natural Gas (MMBtu)	Heating Oil and Other (MMBtu)	All Fuels Sub Total
	(1)	(10)	(11)	(12)	(13)	(14)
1	Low Income Initiatives	23,767	3.7	2,834	21,398	24,232
1a	Low Income Direct Install	13,747	2.1			-
1b	Low Income Additional Funding	10,020	1.5	2,834	21,398	24,232
2	Consumer Products	119,211	20.7	-	-	-
2a	Consumer Products Total	119,211	20.7			-
3	Home Energy Savings Program	17,081	0.4	4,624	69,764	74,388
3a	HESP Electric Measures	17,081	0.4			-
3b	HESP Natural Gas Measures	-	-	4,624		4,624
3c	HESP All Fuels Measures	-	-		69,764	69,764
4	C&I Prescriptive Program	39,086	6.7	45,017	47,147	92,164
4a	Prescriptive Electric Measures	39,086	6.7			-
4b	Prescriptive Natural Gas Measures	-	-	45,017		45,017
4c	Prescriptive All Fuels Measures	-	-		47,147	47,147
5	C&I Custom Program	69,930	11.0	3,540	48,024	51,564
5a	Custom Electric Measures	69,930	11.0			-
5b	Custom Natural Gas Measures	-	-	3,540		3,540
5c	Custom GHG Measures	-	-		48,024	48,024
6	Commercial Small Business	5,749	1.1	-	-	-
6a	Small Business Lighting	5,210	0.9			
6b	Small Business Non-Lighting	539	0.1			
7	Commercial New Construction / MAB	2,467	0.4	7,527	23,859	31,386
8	Renewables	-	-	-	-	-
9	Programs Subtotal	277,291	44.0	63,541	210,193	273,734
10	Innovation					
11	Public Information					
12	Administration					
13	EM&V					
14	Inter-Agency Transfers					
15	All Programs Total	277,291	44.0	63,541	210,193	273,734

Notes:

<sup>1</sup>This column indicates new demand savings that will be achieved during the year. It does not reflect the gradual retirements of earlier vintage demand reductions that are projected to occur during the year.

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Statutory Requirements and Performance Metrics

#### FY 2018 Forecast (With Additional FCM and MPRP Revenue)

		Statutory Requirements and Performance Metrics					Annualized CO2
Line	Programs	Homes Weatherized (% of Total) <sup>2</sup>	Summer Peak Elec Load Reduction (MW)	Annualized Electricity Savings (MWh)	Annualized Natural Gas Savings (Million cf)	Annualized Liq. Fossil Fuel Savings (Million Gals)	Reductions (Million Tons) <sup>3</sup>
	(1)	(15)	(16)	(17)	(18)	(19)	(20)
1	Low Income Initiatives		3.7	23,767	2.8	0.2	14.1
1a	Low Income Direct Install		2.1	13,747	-	-	7.1
1b	Low Income Additional Funding		1.5	10,020	2.8	0.2	7.0
2	Consumer Products		20.7	119,211	-	-	61.2
2a	Consumer Products Total		20.7	119,211	-	-	61.2
3	Home Energy Savings Program	2.585%	0.4	17,081	4.5	0.5	14.7
3a	HESP Electric Measures		0.4	17,081	-	-	8.8
3b	HESP Natural Gas Measures		-	-	4.5	-	0.3
3c	HESP All Fuels Measures		-	-	-	0.5	5.6
4	C&I Prescriptive Program		6.7	39,086	43.9	0.3	26.5
4a	Prescriptive Electric Measures		6.7	39,086	-	-	20.1
4b	Prescriptive Natural Gas Measures		-	-	43.9	-	2.6
4c	Prescriptive All Fuels Measures		-	-	-	0.3	3.8
5	C&I Custom Program		11.0	69,930	3.5	0.3	39.9
5a	Custom Electric Measures		11.0	69,930	-	-	35.9
5b	Custom Natural Gas Measures		-	-	3.5	-	0.2
5c	Custom GHG Measures		-	-	-	0.3	3.9
6	Commercial Small Business		1.1	5,749	-	-	2.9
6a	Small Business Lighting		0.9	5,210	-	-	2.7
6b	Small Business Non-Lighting		0.1	539	-	-	0.3
7	Commercial New Construction / MAB		0.4	2,467	7.3	0.2	3.6
8	Renewables	-	-	-	-	-	-
9	Programs Subtotal	2.585%	44.0	277,291.4	62.0	1.5	162.9
10	Innovation						
11	Public Information						
12	Administration						
13	EM&V						
14	Inter-Agency Transfers						
15	All Programs Total	2.585%	44.0	277,291	62.0	1.5	162.9

Notes:

<sup>2</sup> Residential Weatherization assumes 450,000 homes as a baseline. The percentage of weatherized homes is based on the number of participating homes in the fiscal year. This includes both new participants and returning participants who install additional weatherization measures.

<sup>3</sup> CO<sub>2</sub> savings are calculated without regard to the effects of Maine's participation in the Regional Greenhouse Gas Initiative.

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Statutory Requirements and Performance Metrics

#### FY 2018 Forecast (With Additional FCM and MPRP Revenue)

		Statutory Requirements and Performance Metrics					
Line	Programs (1)	Benefit / Cost Ratio (21)	Allocation to Low-	Allocation to Small	Job-Years Created <sup>4</sup> (24)	Lifetime Benefit (25)	Participant Cost (26)
			Income (\$M) For Sec. 10110(2)(B)(1) (22)	Business (\$M) For Sec. 10110(2)(B)(2) (23)			
1	Low Income Initiatives	1.00	5.29			\$ 5,289,947	\$ -
1a	Low Income Direct Install	1.00	3.06			3,059,675	-
1b	Low Income Additional Funding	1.00	2.23			2,230,273	-
2	Consumer Products	1.43				\$ 16,623,707	\$ 2,000,236
2a	Consumer Products Total	1.43				16,623,707	2,000,236
3	Home Energy Savings Program	2.30				\$ 97,391,660	\$ 30,747,191
3a	HESP Electric Measures	2.92				56,778,247	10,777,220
3b	HESP Natural Gas Measures	1.50				3,794,321	1,247,135
3c	HESP All Fuels Measures	1.53				36,819,093	18,722,836
4	C&I Prescriptive Program	1.43				\$ 35,179,446	\$ 13,961,924
4a	Prescriptive Electric Measures	1.27				15,668,842	4,096,957
4b	Prescriptive Natural Gas Measures	3.67				4,393,511	491,128
4c	Prescriptive All Fuels Measures	1.37				15,117,092	9,373,839
5	C&I Custom Program	3.35				\$ 42,654,292	\$ 3,812,266
5a	Custom Electric Measures	4.43				31,035,793	1,460,781
5b	Custom Natural Gas Measures	1.98				259,567	24,559
5c	Custom GHG Measures	2.02				11,358,932	2,326,926
6	Commercial Small Business	1.30		2.13		\$ 3,341,325	\$ 361,517
6a	Small Business Lighting	1.30		1.96		3,027,854	327,601
6b	Small Business Non-Lighting	1.30		0.17		313,471	33,916
7	Commercial New Construction / MAB	2.35				\$ 1,247,443	\$ 79,387
8	Renewables	-	-	-		-	-
9	Programs Subtotal	1.99	5.29	2.13		\$ 201,727,820	\$ 50,962,521
10	Innovation						
11	Public Information						
12	Administration						
13	EM&V						
14	Inter-Agency Transfers						
15	All Programs Total	1.82	5.29	2.13	557	\$ 201,727,820	\$ 50,962,521

Note:

<sup>4</sup> Assumes 9.3 job-years created per million invested in energy efficiency. Source: Assessing National Employment Impacts of Investment in Residential and Commercial Sector Energy Efficiency," Pacific Northwest National Laboratory, June 2014.



## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Program Funding

#### FY 2019 Forecast (With Additional FCM and MPRP Revenue)

Line	Programs	Funding Sources (\$)							Total
		Electric Efficiency Procurement	Natural Gas Efficiency Procurement	RGGI	MPRP	FCM	Long Term Contract	Federal / Other	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Low Income Initiatives	3,908,949	203,137	1,613,085	300,000	-	-	-	6,025,171
1a	Low Income Direct Install	3,006,785							3,006,785
1b	Low Income Additional Funding	902,165	203,137	1,613,085	300,000				3,018,386
2	Consumer Products	2,198,369	-	-	260,000	6,688,000	-	-	9,146,369
2a	Consumer Products Total	2,198,369			260,000	6,688,000			9,146,369
3	Home Energy Savings Program	7,481,178	331,803	6,452,338	-	-	-	-	14,265,319
3a	HESP Electric Measures	7,481,178							7,481,178
3b	HESP Natural Gas Measures		331,803						331,803
3c	HESP All Fuels Measures			6,452,338	-				6,452,338
4	C&I Prescriptive Program	4,089,291	1,298,692	2,016,356	260,000	5,016,000	-	-	12,680,339
4a	Prescriptive Electric Measures	4,089,291			260,000	5,016,000			9,365,291
4b	Prescriptive Natural Gas Measures		1,298,692						1,298,692
4c	Prescriptive All Fuels Measures			2,016,356					2,016,356
5	C&I Custom Program	600,935	77,263	4,032,712	500,000	5,016,000	-	-	10,226,910
5a	Custom Electric Measures	600,935			500,000	5,016,000			6,116,935
5b	Custom Natural Gas Measures		77,263						77,263
5c	Custom GHG Measures			4,032,712					4,032,712
6	Commercial Small Business	2,682,187	-	-					2,682,187
6a	Small Business Lighting	2,511,339							2,511,339
6b	Small Business Non-Lighting	170,848							170,848
7	Commercial New Construction / MAB	493,333	217,147	2,016,356					2,726,836
8	Renewables	-	-	-	-	-	-	50,000	50,000
9	Programs Subtotal	\$ 21,454,242	\$ 2,128,042	\$ 16,130,846	\$ 1,320,000	\$ 16,720,000	\$ -	\$ 50,000	\$ 57,803,130
10	Innovation	201,942	21,280	179,600	15,000	190,000			607,823
11	Public Information	100,971	10,640	89,800	7,500	95,000			303,911
12	Administration	1,413,597	148,963	800,000	105,000	1,330,000			3,797,560
13	EM&V	504,856	53,201	449,000	37,500	475,000			1,519,557
14	Inter-Agency Transfers	201,942	21,280	3,310,754	15,000	190,000			3,738,977
15	All Programs Total	\$ 23,877,551	\$ 2,383,407	\$ 20,960,000	\$ 1,500,000	\$ 19,000,000	\$ -	\$ 50,000	\$ 67,770,958

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Program Energy Savings

#### FY 2019 Forecast (With Additional FCM and MPRP Revenue)

Line	Programs	Electric Savings (MWh)	Demand Savings (MW) <sup>1</sup>	Natural Gas (MMBtu)	Heating Oil and Other (MMBtu)	All Fuels Sub Total
	(1)	(10)	(11)	(12)	(13)	(14)
1	Low Income Initiatives	27,947	4.3	2,834	25,232	28,066
1a	Low Income Direct Install	13,947	2.1			-
1b	Low Income Additional Funding	14,001	2.1	2,834	25,232	28,066
2	Consumer Products	121,723	20.8	-	-	-
2a	Consumer Products Total	121,723	20.8			-
3	Home Energy Savings Program	21,147	0.5	4,624	85,101	89,724
3a	HESP Electric Measures	21,147	0.5			-
3b	HESP Natural Gas Measures	-	-	4,624		4,624
3c	HESP All Fuels Measures	-	-		85,101	85,101
4	C&I Prescriptive Program	47,471	7.8	45,017	57,512	102,528
4a	Prescriptive Electric Measures	47,471	7.8			-
4b	Prescriptive Natural Gas Measures	-	-	45,017		45,017
4c	Prescriptive All Fuels Measures	-	-		57,512	57,512
5	C&I Custom Program	82,250	12.5	3,540	58,581	62,121
5a	Custom Electric Measures	82,250	12.5			-
5b	Custom Natural Gas Measures	-	-	3,540		3,540
5c	Custom GHG Measures	-	-		58,581	58,581
6	Commercial Small Business	7,070	1.3	-	-	-
6a	Small Business Lighting	6,631	1.2			
6b	Small Business Non-Lighting	439	0.1			
7	Commercial New Construction / MAB	2,677	0.5	7,527	29,104	36,631
8	Renewables	-	-	-	-	-
9	Programs Subtotal	310,286	47.7	63,541	255,530	319,071
10	Innovation					
11	Public Information					
12	Administration					
13	EM&V					
14	Inter-Agency Transfers					
15	All Programs Total	<b>310,286</b>	<b>47.7</b>	<b>63,541</b>	<b>255,530</b>	<b>319,071</b>

Notes:

<sup>1</sup>This column indicates new demand savings that will be achieved during the year. It does not reflect the gradual retirements of earlier vintage demand reductions that are projected to occur during the year.

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Statutory Requirements and Performance Metrics

#### FY 2019 Forecast (With Additional FCM and MPRP Revenue)

		Statutory Requirements and Performance Metrics					Annualized CO2
Line	Programs	Homes Weatherized (% of Total) <sup>2</sup>	Summer Peak Elec Load Reduction (MW)	Annualized Electricity Savings (MWh)	Annualized Natural Gas Savings (Million cf)	Annualized Liq. Fossil Fuel Savings (Million Gals)	Reductions (Million Tons) <sup>3</sup>
	(1)	(15)	(16)	(17)	(18)	(19)	(20)
1	Low Income Initiatives		4.3	27,947	2.8	0.2	16.5
1a	Low Income Direct Install		2.1	13,947	-	-	7.2
1b	Low Income Additional Funding		2.1	14,001	2.8	0.2	9.4
2	Consumer Products		20.8	121,723	-	-	62.4
2a	Consumer Products Total		20.8	121,723	-	-	62.4
3	Home Energy Savings Program	3.170%	0.5	21,147	4.5	0.6	18.0
3a	HESP Electric Measures		0.5	21,147	-	-	10.8
3b	HESP Natural Gas Measures		-	-	4.5	-	0.3
3c	HESP All Fuels Measures		-	-	-	0.6	6.9
4	C&I Prescriptive Program		7.8	47,471	43.9	0.4	31.6
4a	Prescriptive Electric Measures		7.8	47,471	-	-	24.4
4b	Prescriptive Natural Gas Measures		-	-	43.9	-	2.6
4c	Prescriptive All Fuels Measures		-	-	-	0.4	4.6
5	C&I Custom Program		12.5	82,250	3.5	0.4	47.1
5a	Custom Electric Measures		12.5	82,250	-	-	42.2
5b	Custom Natural Gas Measures		-	-	3.5	-	0.2
5c	Custom GHG Measures		-	-	-	0.4	4.7
6	Commercial Small Business		1.3	7,070	-	-	3.6
6a	Small Business Lighting		1.2	6,631	-	-	3.4
6b	Small Business Non-Lighting		0.1	439	-	-	0.2
7	Commercial New Construction / MAB		0.5	2,677	7.3	0.2	4.2
8	Renewables	-	-	-	-	-	-
9	Programs Subtotal	3.170%	47.7	310,286.4	62.0	1.8	183.5
10	Innovation						
11	Public Information						
12	Administration						
13	EM&V						
14	Inter-Agency Transfers						
15	All Programs Total	3.170%	47.7	310,286	62.0	1.8	183.5

Notes:

<sup>2</sup> Residential Weatherization assumes 450,000 homes as a baseline. The percentage of weatherized homes is based on the number of participating homes in the fiscal year. This includes both new participants and returning participants who install additional weatherization measures.

<sup>3</sup> CO<sub>2</sub> savings are calculated without regard to the effects of Maine's participation in the Regional Greenhouse Gas Initiative.

## Efficiency Maine Trust Triennial Plan

### Settlement Summary of Statutory Requirements and Performance Metrics

#### FY 2019 Forecast (With Additional FCM and MPRP Revenue)

		Statutory Requirements and Performance Metrics					
Line	Programs (1)	Benefit / Cost Ratio (21)	Allocation to Low-	Allocation to Small	Job-Years Created <sup>4</sup> (24)	Lifetime Benefit (25)	Participant Cost (26)
			Income (\$M) For Sec. 10110(2)(B)(1) (22)	Business (\$M) For Sec. 10110(2)(B)(2) (23)			
1	Low Income Initiatives	1.00	6.03			\$ 6,025,171	\$ -
1a	Low Income Direct Install	1.00	3.01			3,006,785	-
1b	Low Income Additional Funding	1.00	3.02			3,018,386	-
2	Consumer Products	1.43				\$ 15,823,219	\$ 1,903,917
2a	Consumer Products Total	1.43				15,823,219	1,903,917
3	Home Energy Savings Program	2.31				\$117,189,946	\$ 36,408,805
3a	HESP Electric Measures	3.04				68,252,417	12,301,312
3b	HESP Natural Gas Measures	1.50				4,024,490	1,268,814
3c	HESP All Fuels Measures	1.53				44,913,039	22,838,679
4	C&I Prescriptive Program	1.41				\$ 41,118,359	\$ 16,491,785
4a	Prescriptive Electric Measures	1.24				17,854,824	4,538,333
4b	Prescriptive Natural Gas Measures	3.67				4,823,251	518,960
4c	Prescriptive All Fuels Measures	1.37				18,440,284	11,434,492
5	C&I Custom Program	3.15				\$ 46,043,943	\$ 4,409,172
5a	Custom Electric Measures	4.17				31,928,408	1,546,159
5b	Custom Natural Gas Measures	1.98				259,567	24,559
5c	Custom GHG Measures	2.02				13,855,967	2,838,454
6	Commercial Small Business	1.24		2.68		\$ 4,070,086	\$ 426,786
6a	Small Business Lighting	1.24		2.51		3,817,612	400,311
6b	Small Business Non-Lighting	1.24		0.17		252,475	26,474
7	Commercial New Construction / MAB	2.22				\$ 1,244,543	\$ 76,092
8	Renewables	-	-	-		-	-
9	Programs Subtotal	1.97	6.03	2.68		\$ 231,515,267	\$ 59,716,557
10	Innovation						
11	Public Information						
12	Administration						
13	EM&V						
14	Inter-Agency Transfers						
15	All Programs Total	1.82	6.03	2.68	630	\$ 231,515,267	\$ 59,716,557

Note:

<sup>4</sup> Assumes 9.3 job-years created per million invested in energy efficiency. Source: Assessing National Employment Impacts of Investment in Residential and Commercial Sector Energy Efficiency," Pacific Northwest National Laboratory, June 2014.