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November 22, 2013

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120**RECEIVED**

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

*Request for Expedited Approval
of Proposed Minor EE&C Plan Changes
Pursuant to the June 10, 2011
Final Order in Docket No. M-2008-2069887*

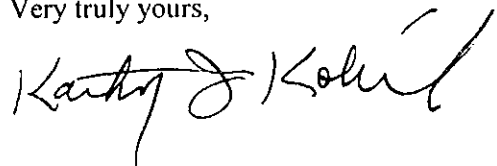
*Metropolitan Edison Company Docket No. M-2012-2334387
Pennsylvania Electric Company Docket No. M-2012-2334392
Pennsylvania Power Company Docket No. M-2012-2334395
West Penn Power Company Docket No. M-2012-2334398*

Dear Secretary Chiavetta:

Enclosed are four (4) originals (one for each docket) of the Petition for Expedited Approval of Proposed Minor Changes to the Energy Efficiency and Conservation Plans (and related exhibits) of each of the FirstEnergy Pennsylvania Utilities (Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company). Also enclosed is one (1) extra copy of each of the Companies' respective petitions (without exhibits).

Please date stamp the additional copy of these Petitions and return them to me in the enclosed, postage-prepaid envelope. Should you have any questions regarding this matter, please do not hesitate to contact me.

Very truly yours,



kag

Enclosures

cc: Parties of record

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Metropolitan Edison Company's Request :
for Expedited Approval of Proposed Minor :
Act 129 EE&C Plan Changes Pursuant to :
the June 10, 2011 Final Order in Docket :
No. M-2008-2069887 :
:
:
:

Docket No. M-2012-2334387

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PA PUBLIC UTILITY COMMISSION
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METROPOLITAN EDISON COMPANY'S REQUEST FOR EXPEDITED APPROVAL
OF PROPOSED MINOR EE&C PLAN CHANGES PURSUANT TO THE JUNE 10, 2011
FINAL ORDER IN DOCKET NO. M-2008-2069887

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Counsel for:
Metropolitan Edison Company

Dated: November 22, 2013

INTRODUCTION

Pursuant to the June 10, 2011 Opinion and Order of the Pennsylvania Public Utility Commission (“Commission”), entered in *Energy Efficiency and Conservation Program*, Docket No. M-2008-2069887 (“June 10 Order”), Metropolitan Edison Company (“Met-Ed” or “Company”) hereby requests expedited approval of its proposed minor changes to certain residential and government programs included in its Act 129 Phase II Energy Efficiency and Conservation (“EE&C”) Plan, which was approved on March 14, 2013 in Docket No. M-2012-2334387. Specifically, through this request, Met-Ed is proposing to shift to its Low Income Program budgeted funds of \$203,813, a portion of which will come from both the Company’s Residential Home Performance Program (“RHP”) and its Residential Energy Efficient Products Program (“EEP”). Met-Ed is also proposing to add a measure to its Government and Institutional Program.

A redline/revised version of the relevant portions of Met-Ed’s currently approved EE&C Plan, including the appropriate tables and appendices, that illustrates the aforementioned changes is attached as Exhibit A. The Company is also posting, concurrent with this filing, a complete redlined version of its proposed plan on its website for public inspection.

As explained below, the proposed minor changes qualify for expedited approval as outlined in the June 10 Order. Accordingly, Met-Ed respectfully requests that the Commission Staff approve the proposed minor changes described herein consistent with the timelines set forth in the Commission’s June 10 Order.

In support of its proposed changes, Met-Ed offers the following:

BACKGROUND

A. Procedural History

1. On November 13, 2012, Met-Ed, along with its sister utilities, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company (collectively, "Companies") each filed their respective Phase II EE&C Plans.
2. On January 17, 2013 an evidentiary hearing was held before the Administrative Law Judge. At the hearing, the pre-filed testimony and exhibits of all parties were admitted into evidence. In addition, the Companies entered into two stipulations, one with Comverge, Inc. ("Comverge"); the other, with Met-Ed Industrial Users Group, Penelec Industrial Customer Alliance, Penn Power Users Group and West Penn Industrial Intervenors. Both stipulations were entered into the record. The Companies also reached a settlement with the Office of Consumer Advocate, The Coalition for Affordable Utility Services and Energy Efficiency in Pennsylvania, The Community Action Association of Pennsylvania and Comverge. The terms of the settlement were entered into the record during the evidentiary hearing as "FirstEnergy Term Sheet." During the hearing, the Companies submitted oral *rebuttal testimony in support of the terms included in the FirstEnergy Term Sheet* and on January 28, 2013, the terms were memorialized in a Joint Petition for Full Settlement of Non-Reserved Issues ("Settlement"), which was filed with the Commission and either supported or unopposed by all parties.¹
3. One of the provisions of the Settlement provides that:

The Companies will revise its Low Income Programs to target increased energy savings by at least 10% over the plan targets as currently proposed for low income programs. To the extent that additional funding is required to support the targeted increase in energy savings, the Companies will shift up to \$1 million in funds currently included in the general residential programs to specific low income programs, with the understanding that within 60 days of the Companies' EE&C plans being approved, the Companies will meet with Signatory Parties who are interested in low income programs to discuss the results of its evaluation to increase the energy savings achieved through the dedicated low income programs and any requirement that additional funds should be allocated to its low income programs. ... [Settlement, para. 7].

4. On March 14, 2013, the Commission entered an Opinion and Order, approving the Settlement and generally approving each of the Companies' respective EE&C Plans, with minor exceptions ("March 14, 2013 Order").
5. In compliance with the Settlement, the Companies met with interested parties to discuss opportunities identified to increase the energy savings targeted through the Companies' specific low income programs and the programs that would allow for the shifting of budget dollars to each of the Companies' respective low income programs, without adversely affecting projected plan savings or overall budgets within the residential class. The results of these meetings are being proposed through this Petition.
6. Further, and independent of the Settlement, Met-Ed desires to add an additional measure to its Government and Institutional Program that will encourage customers from this sector to retrofit or install more efficient specialized processes, equipment and applications.

¹ As a result of the Settlement and related stipulations, the only issues that were challenged during the evidentiary hearing were those raised by UGI Utilities, Inc. - Gas Division, UGI Penn Natural Gas, Inc., and UGI Central Penn Gas, Inc. (collectively, "UGI"), which involved fuel switching.

7. Based upon the foregoing, the Company submits this Petition for approval by the Staff, pursuant to the Commission's June 10 Order.

B. June 10 Order

8. The June 10 Order provides for an alternative process for Commission review of minor changes to EE&C Plans. Under this process, Electric Distribution Companies ("EDCs") file the proposed changes with the Commission. Interested parties have 15 days to comment on the filing, with any reply comments due 10 days thereafter. Within 35 days after filing the proposed minor changes, the Commission Staff must issue a Secretarial Letter approving or disapproving some or all of the proposed changes and may also refer some or all of the proposed changes to the Office of Administrative Law Judge.
9. The June 10 Order requires Met-Ed to file sufficient documentation to support the proposed minor EE&C Plan changes, and to include the affected pages of the plan, a redlined version of the affected pages and an explanation of how the proposed minor changes affect the previously approved plan. In addition, the Commission requires an EDC, upon the filing of its petition for minor changes, to post a complete redlined version of its EE&C Plan (with proposed modifications) on its website for public inspection.
10. The June 10 Order allows the following to be approved through the expedited process:
 - The elimination of a measure that is underperforming, no longer viable for reasons of cost-effectiveness, savings or market penetration or has met its approved budgeted funding, participation level or amount of savings;

- The transfer of funds from one measure or program to another measure or program within the same customer class; and
 - Adding a measure or changing the conditions of a measure, such as its eligibility requirements, technical description, rebate structure or amount, projected savings, estimated incremental costs, projected number of participants, or other conditions so long the change does not increase the overall costs to that customer class.
11. The proposed minor changes to Met-Ed's EE&C Plan fall within the aforementioned categories because they involve (i) the transfer of funds from one program to another program within the same customer class, (the Residential Customer Class); and (ii) the adding of a measure to the Government & Institutional Program with no increase in the overall cost to the government/educational/non-profit sector.

SPECIFIC CHANGES AND EXPLANATIONS FOR CHANGES

12. As previously explained, one of the provisions of the Settlement requires the Company "to revise its Low Income Programs to target increasing the energy savings by at least 10% over the plan targets as currently proposed for low income programs ...", provided that such a change does not adversely affect the Company's ability to achieve its statutory targets within the 2% spending cap.
13. Met-Ed gained significant experience in the implementation of its Phase I and Phase II EE&C Plans. In order to comply with the condition of the Settlement mentioned above, the Company, in collaboration with interested parties, identified additional opportunities to achieve additional energy savings through its direct low income programs. To pursue the additional opportunities, Met-Ed proposes to increase the budget for the Residential Low Income Program by \$203,813 and use these funds to (i) serve additional lower cost water heat and baseload homes;

(ii) add additional low cost measures; (iii) increase energy efficiency kits targeted to low energy-use homes, and (iv) target low income customers for the installation of heat pump water heaters. Met-Ed also proposes to provide customized Energy Usage Reports to identified low income customers in an effort to achieve additional savings with little or no effort, and to promote other potential energy savings measures and programs. The Company projects that all of these changes will generate approximately 1,344 MWh in savings.

14. To support the increase in budget for the Residential Low Income Program, Met-Ed proposes to decrease the budgets for the Residential Home Performance Program and the Residential Energy Efficient Products Program by \$155,096 and \$74,220, respectively. These budget reductions are accommodated through a reduction in administration and incentive costs of these programs, which have been revised based upon updated forecasts, and through a slight reduction in the general residential Energy Efficiency Kit and Energy Usage Report measures. These changes are expected to reduce energy savings through the RHP and EEP programs by approximately 894 and 0 MWh, respectively, with such reductions being completely offset by the increase in savings generated through the proposed modifications to the low income programs.
15. Met-Ed also proposes to add a custom measure to its Government & Institutional Program, with no change to the program projections or budget. This measure is currently available under the Company's Commercial/Industrial small and large sector programs, and encourages customers to retrofit or install more efficient specialized processes, equipment and applications. Adding this measure to the

Government & Institutional Program will not only provide additional opportunities for government/educational/non-profit sector customers to participate in the Company's program, but will also add program implementation flexibility that supports the Company in meeting its program projections.

16. These changes will best position Met-Ed to increase the energy savings expected to be achieved through its direct low income programs as contemplated in the Settlement, and should support Met-Ed in its attempt to achieve its Commission-adopted goal of 4.5% reduction from the low income sector and 10% reduction from the government/educational/non-profit sector.
17. The impact of these minor changes are summarized in Exhibit A, which consists of a table showing the proposed program unit, savings and budget changes, and a redline version of the relevant portions of Met-Ed's currently approved EE&C Plan, including revised Table 14, and Appendices C, D-2, D-3, D-4 and E.
18. These budget changes also have a negligible impact on the cost-effectiveness of the programs as summarized in Exhibit B, which includes a table summarizing the impact on cost-effectiveness of the programs based on the proposed program savings and budget changes, and will have no effect on the remainder of the Company's Phase II EE&C Plan or the residential rate as currently reflected in the Company's Rider EEC-C.²
19. In accordance with the June 10 Order, the Company posted, concurrent with the filing of this Petition, a redline version of its entire EE&C Plan on its website at:

² While there is a slight change in the overall projected budget, the difference from that on which the current EEC-C rider is based is insignificant and, will be reconciled during the next rider filing.

https://www.firstenergycorp.com/content/customer/customer_choice/pennsylvania/pennsylvania_tariffs.html#CommissionApprovedPlans

WHEREFORE, based upon the foregoing, Met-Ed respectfully asks that Staff approve the proposed changes described herein in accordance with the Commission's June 10, 2011 Opinion and Order, entered in Docket No. M-2008-2069887.

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Respectfully submitted,



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Dated: November 22, 2013

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Met Ed Exhibits

Case No. M-2012-2334387

Met Ed - Exhibit A - Units, Savings and Budget Assessment

Program	Approved Plan Units	Proposed Plan Units	Total Unit Impact	Approved Plan Savings (MWh)	Proposed Plan Savings (MWh)	Total Savings Impact	Approved Plan Budget	Proposed Plan Budget	Total Budget Impact
Energy Efficient Products Program	1,957,384	1,957,384	0	66,917	66,917	0	\$10,699,330	\$10,625,110	(\$74,220)
Home Performance Program	405,125	401,825	(3,300)	104,760	103,866	(894)	\$21,290,468	\$21,135,372	(\$155,096)
Low Income Programs	16,669	34,250	17,581	6,720	8,064	1,344	\$6,611,611	\$6,815,424	\$203,813
Totals	2,379,178	2,393,459	14,281	178,397	178,847	450	\$38,601,409	\$38,575,906	(\$25,503)

Notes:

1. Plan Units per Appendix D-3
2. Plan Savings per Appendix E, Table 7A for EE Products and Home Performance, and Table 16 for Low Income (Includes dedicated Low Income Energy Usage Reports)
3. Plan Budget per Appendix E, Table 6A



Metropolitan Edison Company

Energy Efficiency & Conservation Plan

(For the Period June 1, 2013 through May 31, 2016)

Proposed Minor EE&C Plan Changes dated November 22 February 6, 2013

Docket No. M-2012-2334387

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implementation of this Plan is projected to generate Total Discounted Lifetime Benefits of approximately \$126 million, as shown in Table I located in Appendix E which results in a score on the Total Resource Cost ("TRC") test of 1.5.⁵

FirstEnergy has developed a successful strategy for achieving EE&C targets throughout its footprint. This strategy includes the use of outsourced vendors with expertise in program management, program marketing and program tracking and reporting. This network of contractors reports to a core team within the FirstEnergy Energy Efficiency group, which oversees the implementation, tracking and evaluation of programs and measures throughout the period the various EE&C plans are in effect. Programs are monitored for performance against projections and, if needed, adjustments are made to improve performance, including a shift of emphasis from lesser performing programs to those with more success. Rebate levels are routinely reviewed and assessed against market conditions, with modifications to rebate levels made if deemed appropriate after discussing the matter with FirstEnergy's energy efficiency consultants, contractors, vendors and stakeholders. This strategy was put in place during Phase I of Act 129 and has proven to be successful. The Company intends to continue this practice throughout Phase II.

1.1.1 Summary of Proposed Minor Changes (filed November 22, 2013)

Met-Ed filed its Phase II EE&C Plan on November 13, 2012. Subsequent to the filing, the parties filed with the Commission a Joint Petition for Full Settlement of Non-Reserved Issues ("Settlement") on January 28, 2013. On March 14, 2013, the Commission entered an Opinion and Order, approving the Settlement and generally approving each of the Companies' respective EE&C Plans, with minor exceptions.

One of the provisions of the Settlement provided that:

The Companies will revise its Low Income Programs to target increased energy savings by at least 10% over the plan targets as currently proposed for low income programs. To the extent that additional funding is required to support the targeted increase in energy savings, the Companies will shift up to \$1 million in funds currently included in the general residential programs to specific low income programs, with the understanding that within 60 days of the Companies' EE&C plans being approved, the Companies will meet with Signatory Parties who are interested in low income programs to discuss the results of its evaluation to increase the energy savings achieved through the dedicated low income programs and any requirement that additional funds should be allocated to its low income programs. ... [Settlement, para. 7].

Met-Ed gained significant experience in the implementation of its Phase I and Phase II EE&C Plans. In order to comply with the condition of the Settlement mentioned above, the Company, in collaboration with interested parties, identified additional opportunities to

⁵ See Section 8.0 for a discussion on the TRC test.

achieve additional energy savings through its direct low income programs. To pursue the additional opportunities, Met-Ed proposes to increase the budget for the Residential Low Income Program by \$203,813 and use these funds to (i) serve additional lower cost water heat and baseload homes; (ii) add additional low cost measures; (iii) increase energy efficiency kits targeted to low energy-use homes, and (iv) to target low income customers for the installation of heat pump water heaters. Met-Ed also proposes to provide customized Energy Usage Reports to identified low income customers. The Company projects that these changes will generate approximately 1,344 MWh in savings.

To support the increase in budget for the Residential Low Income Program, Met-Ed proposes to decrease the budgets for the Residential Home Performance Program ("RHP") and the Residential Energy Efficient Products Program ("EEP") by \$155,096 and \$74,220, respectively. These budget reductions are accommodated through a reduction in administration and incentive costs of these programs, based upon updated forecasts, and through a slight reduction in the general residential Energy Efficiency Kit and Energy Usage Report measures. These changes are expected to reduce energy savings through the RHP and EEP programs by approximately 894 and 0 MWh, respectively, with such reductions being completely offset by the increase in savings generated through the proposed modifications to the low income programs.

Met-Ed also proposes to add a custom measure to its Government & Institutional Program, with no change to the program projections or budget. This measure is currently available under the Company's Commercial/Industrial small and large sector programs, and encourages customers to retrofit or install more efficient specialized processes, equipment and applications. Adding this measure to the Government & Institutional Program will not only provide additional opportunities for government/educational/non-profit sector customers to participate in the Company's program, but will also add program implementation flexibility that supports the Company in meeting its program projections.

These changes will best position Met-Ed to increase the energy savings expected to be achieved through its direct low income programs as contemplated in the Settlement, and should support Met-Ed in its attempt to achieve its Commission-adopted goal of 4.5% reduction from the low income sector and 10% reduction from the government/educational/non-profit sector.

The impact of these minor changes are illustrated in revised Table 14, and Appendices C, D-2, D-3, D-4 and E of the Company's Phase II EE&C Plan. These budget changes have a negligible impact on the cost-effectiveness of the programs as illustrated in Appendix E, Tables 1 and 7, and will have no effect on the remainder of the Company's Phase II EE&C Plan or the residential rate as currently reflected in the Company's Rider EEC-C.

3.5. Governmental/Educational/Non-Profit Sector Programs.¹³

The table below compares the program included in the Existing Plan with that included in the Phase II Plan, along with a program description:

Table 13: Existing & New Government Programs

Existing Program	Phase II Program Government Programs	Program Description
Governmental & Institutional Program	Governmental & Institutional Programs	This program provides financial incentives and support to Governmental & institutional customers for the installation of energy efficient equipment and products
Multi-Family-Tenants		

The table below details each measure that is offered in the programs listed in Table 13 and whether it is an existing or new measure:

Table 14: Government Portfolio

Program	Sub Program	Proposed Government Portfolio Measure	Measure Status
Governmental & Institutional Program	Outdoor Lighting	LED Traffic Signals	Existing
		Energy Efficient Street & Area Lighting (Tariff / Util Owned)	Existing
		Energy Efficient Exterior Lighting (Tariff / Cust Owned)	Existing
	Lighting	Energy Efficient Exterior Lighting - Non Profit	Existing
		Linear Fluorescent Retrofits (Stdnd & Non Stdnd) - Non Profit	Existing
		Energy Efficient Lighting Products - Non Profit	Existing
		LED Exit Sign (Retrofit Only) - Non Profit	Existing
		Lighting Controls (Occupancy & Daylight) - Non Profit	Existing
		Audit - Govt	Existing
	Audits	Audits w/ Direct Install Measures - Govt	New
		Air Conditioning - Non Profit	New
	HVAC & Water Heating	Heat Pump Water Heating	New
		Ground Source Heat Pump Water Heating	New
		PTAC Water Heating	New
		PTHP - Non Profit	New
		Room Air Conditioner - Non Profit	New
		Efficient Water Heater - Non Profit	New
		Refrigerator Recycling - Non Profit	New
	Appliances	Freezer Recycling - Non Profit	New
		Room Air Conditioner Recycling - Non Profit	New
		Refrigerator - Non Profit	New
		Freezer - Non Profit	New
		EE Office Equipment - Non Profit	New
	Multi Family	Audit - Multifamily - Govt	Existing
		Energy Efficiency Measures - Multifamily - Govt	Existing

¹³ Additional measures may be incorporated, as appropriate, as new measures are approved for inclusion in the TRM.

Program	Sub Program	Proposed Government Portfolio	
		Measure	Measure Status
Governmental & Institutional Program	Outdoor Lighting	LED Traffic Signals	Existing
		Energy Efficient Street & Area Lighting (Tariff / Util Owned)	Existing
		Energy Efficient Exterior Lighting (Tariff / Cust Owned)	Existing
	Lighting	Energy Efficient Exterior Lighting - Non Profit	Existing
		Linear Fluorescent Retrofits (Stdnd & Non Stdnd) - Non Profit	Existing
		Energy Efficient Lighting Products - Non Profit	Existing
		LED Exit Sign (Retrofit Only) - Non Profit	Existing
		Lighting Controls (Occupancy & Daylight) - Non Profit	Existing
		Audits - Govt	Existing
	HVAC & Water Heating	Audits w/ Direct Install Measures - Govt	New
		Air Conditioning - Non Profit	New
		Heat Pump - Non Profit	New
		Ground Source Heat Pump - Non Profit	New
		PTAC - Non Profit	New
		PTHP - Non Profit	New
		Room Air Conditioner - Non Profit	New
		Efficient Water Heater - Non Profit	New
		Refrigerator Recycling - Non Profit	New
		Freezer Recycling - Non Profit	New
		Room Air Conditioner Recycling - Non Profit	New
		Refrigerator - Non Profit	New
	Appliances	Freezer - Non Profit	New
		EE Office Equipment - Non Profit	New
		Audit - Multifamily - Govt	Existing
		Energy Efficiency Measures - Multifamily - Govt	Existing
	Multi Family	Audit - Multifamily - Govt	Existing
		Energy Efficiency Measures - Multifamily - Govt	Existing
	Custom	Custom - Non Profit	New

Below are the program descriptions for the Government sector included in the Phase II Plan:

<p>Program Title and Program years during which program will be implemented</p>	<p>Government & Institutional Program June 2013 - May 2016</p>
<p>Objective(s)</p>	<p>This is an expansion of the existing Governmental & Institutional Programs and Multi-Family-Tenants Program with the addition of new measures as indicated in the overview of Section 3.5, Table 14. In addition, the consolidated program is broken into the following sub-programs:</p> <ul style="list-style-type: none"> • Outdoor Lighting • HVAC & Water Heating • Appliances • Lighting • Audits • Multi Family • <u>Custom</u> <p>The primary objective of the program is to accelerate the adoption and increase the market share of high efficiency equipment among government and institutional customers by reducing the first cost of high efficiency equipment thereby encouraging the adoption of high efficient equipment in lieu of standard equipment at the end of the useful life of measures, or as early replacement. The ultimate goal is influencing future customer behavior toward energy efficiency measures and practices.</p> <p>This program will provide financial support through incentives to the government and institutional customer who implements qualifying high efficiency measures, recycles inefficient appliances or retrofit specialized processes and applications to higher efficiency processes and applications. Prescriptive and performance incentives are intended to reduce customer's capital investment for qualifying high efficiency equipment. Relevant metrics are provided in Appendices D-E.</p>
<p>Target market</p>	<p>Commercial, industrial, and municipal customers of the Company meeting the Government and Institutional definitions under Act 129 with buildings or equipment in the Company's Pennsylvania service territory. Specifically the HVAC & Water Heating, Appliances, Lighting, Audits, and Multi Family Sub Programs target Non Profit customers on the Company's Non</p>

family C&I customers with federal financing toward the Government Goal in the program.

Energy Efficiency Measures - Multifamily - Govt measure within the Government & Institutional Program will include a variety of items meant to introduce customer segments to energy efficient technologies that can be easily installed in the home, and serve as a gateway for broader home efficiency education. Provided items may include, but not limited to: Educational Materials, CFLs, Smart Strips, Faucet Aerators, Low Flow Shower Heads, Furnace Whistles, etc. Provided items and targeted segments are subject to change during the course of this Plan, and may initially include:

Efficiency Measures – Standard

Provides non-electric water heating energy efficiency measures to non-electric water heating customers.

Efficiency Measures – All Electric

Provides electric water heating energy efficiency measures to electric water heating customers.

Custom

Custom measures within the Government & Institutional Program are intended to encourage customers to retrofit to or install more efficient specialized processes, equipment, and applications in an effort to reduce both energy consumption and demand. Calculated or performance based and prescriptive incentives will be provided to customers based upon an analysis of potential energy savings on a case by case basis for upgrading less efficient specialized processes, equipment and applications (e.g. variable frequency drives, food service equipment, HVAC, process change, etc.) to high efficiency specialized processes, equipment and applications. Custom measures must be installed and operational during the term of this Plan and program.

Implementation strategy (including expected changes that may occur in different program years)

The Company through a competitive bidding process intends to contract with a qualified Vendor on a performance basis to insure creativity and motivation toward obtaining participation and meeting the goal. The Vendor will conduct the marketing and rebate fulfillment aspects of this program. The Company expects implementation will be traditional and will attempt to align with the PA Companies for consistency across the state. Additionally providing target marketing to specific customer sectors to insure awareness in the program and enhance participation. Intra Company resources will be utilized to

There are two low-income targets under the Implementation Order. The first is to obtain a minimum of four-and-a-half percent (4.5%) of its consumption reduction requirements from the low-income sector. The Phase II Plan is designed to achieve that requirement through the combination of direct low-income customer participation in the Low-Income program, dedicated program components directly targeted to low-income customers and the proportion of low-income customer participation in the residential sector programs as assessed through tracking and surveys.

The second requirement is that each EE&C Plan include specific energy efficiency measures for households at or below 150% of the federal poverty income guidelines (“FPIG”), in proportion to that sector’s share of the total energy usage in the EDC’s service territory.¹⁵ This requirement is achieved by including measures that number at least proportional to low-income sector energy usage in the program targeted directly to low-income customers.¹⁶

The Low Income program includes the following services that are targeted directly to low-income customers:

- WARM Plus Component (Comprehensive weatherization services)
- WARM Extra Measures (Extra measures provided directly to customers participating in the Company’s LIURP or WARM Plus programs.)
- Low Income Low Use Program (Energy Efficiency Measures provided to customers through direct mail kits or other channels)
- Primarily in Multi-Family Units (Appliance Replacement)
- Audit – Multi Family, including installation of basic energy efficiency measures

The Company also will directly target customized Energy Usage Reports to identified low-income customers, with specific education, energy savings recommendations and marketing for this sector.

In accordance with the 2012 Implementation Order, the Company will complete a survey of customers participating in its residential sector programs in order to inform the savings associated with low-income customers in these programs. In the Phase II Plan the Company conservatively assumed an 11% participation level across the residential sector measures that have a limited incremental cost.

¹⁵ 2012 Implementation Order at 53.

¹⁶ Targets provided in an October 10, 2012 memo from the SWE follow:

Phase 2 Low-Income Target Proportions by EDC

EDC	Percent 2011 kWh Usage Low-Income Households vs. Total Consumption
Duquesne	8.402%
PECO	8.799%
PPL	9.950%
Met-Ed	8.787%
Penelec	10.231%
Penn Power	10.639%
West Penn Power	8.794%

Table 15: Residential Low Income Sub-Measures

Dedicated to Low-Income Customers
AC/Heating System Filter Replacement and Tune-Up
Air Sealing
Appliance Timers
Central Air Conditioner
CFL Torchiere Floor Lamp
CFLs
Clothes Line Installation
Clothes Washer
Dehumidifier
Door Repair or Replacement
Duct Insulation
Duct Sealing
Electric Baseboard Heater Replacement
Electric Clothes Dryer
Electric Dryer Venting Repair or Replacement
Electric Furnace
Electric Heat Pump
Energy Education
Exhaust Fan Repair and Replacement
Faucet Aerator
Freezer Replacement
Furnace Whistle
Gravity Film Exchange (Drain Water Heat Recovery System)
Health and Safety Measures
Heated Waterbed Mattress Replacement
Insulation (attic, wall, floor, band joist, basement, crawl space)
LED Nightlight
Low Flow Shower Head
Plumbing and Electrical Repairs
Reflective Roof Coating
Reflective Window Tint
Refrigerator Replacement
Room Air Conditioner Cover
Room Air Conditioner Replacement
Smart Strip
Storm Windows & Doors
Thermostat Replacement and Repair
Water Heater Pipe Insulation
Water Heater Replacement
Well Pump
Window Quilt
Windows

The table below provides the Company's projections of the savings under the Phase II Plan through direct low-income customer participation in the Low-Income program, dedicated Energy Usage Reports directly targeted to identified low-income customers and the

proportion of low-income customer participation in the residential sector programs as assessed through tracking and surveys.

Table 16: Residential Low Income Savings Projection

Cumulative MWh Projections	Met-Ed
Low Income Human Services & Home Performance	7,053
Low Income Dedicated Energy Usage Reports	1,011
Low Income Programs Sub-Total	8,064
Low Income participation in Residential Programs	11,139
Total	19,204
4.5% Target	15,199

9.1.4. *Provide a statement delineating the manner in which the EE&C plan will achieve the Government/Educational/Non-Profit requirements prescribed in the August 2, 2012 Implementation Order.*

While all non-residential buildings are eligible for the prescriptive and custom energy efficiency programs through the Commercial/Industrial Small and Large sector programs, special efforts are targeted at these subdivisions of the government sector in recognition of their unique decision-making and financing processes for making capital improvements to facilities. This Plan will achieve Government/Non-Profit requirements through the combination of program services targeted for federal government facilities, local government facilities, non-profits and schools through the Government Program and the services provided to Government/Non-Profit customers under the Commercial/Industrial Small and Large sector programs. The Company's programs will leverage existing Company Area Manager relationships and vendors who will specifically provide support to governmental accounts to get projects completed. Government programs are described in Section 3.5

9.1.5. *Describe how an EDC will ensure that no more than two percent of funds available to implement the plan shall be allocated for experimental equipment or devices.*

The Phase II Plan focuses on encouraging the accelerated adoption of commercially available technologies for achieving the energy efficiency. See Appendix D for the measures included in the Phase II Plan. No program or services are specifically devoted to encouraging experimental equipment or devices.

9.1.6. *Describe how the plan will be competitively neutral to all distribution customers even if they are receiving supply from an EGS.*

All programs are available to customers who receive distribution service from the Company regardless of shopping status, and will be offered on a non-discriminatory basis. Likewise,

**Appendix C:
Program Costs and Savings by Program Year**

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Appendix C: Program costs and savings by program year
 o Program Year is June 1 - May 31

		Med-Ed				Direct Costs		Administrative Costs			Total 2013		
Sector	Program	Sub Program	2013 Program Administration	2013 Marketing	2013 M&V	2013 Incentives	Total 2013 Direct Costs	2013 Labor	2013 Tracking & Reporting	2013 Other	2013 Administrative Costs	2013 Total Costs	
Residential	Appliance Turn-In Program	Appliance Turn-In	\$925,025	\$225,000	\$52,396	\$365,500	\$1,267,921	\$34,020	\$33,475	\$9,276	\$18,772	\$1,344,693	
		Appliances	\$154,108	\$2,142	\$1,758	\$758,885	\$928,892	\$710	\$688	\$183	\$1,601	\$929,493	
	Energy Efficient Products Program	Consumer Electronics	\$50,800	\$0	\$608	\$59,200	\$147,008	\$326	\$321	\$85	\$737	\$147,744	
		HVAC & Water Heating	\$308,875	\$34,358	\$1,126	\$778,130	\$1,120,588	\$455	\$448	\$124	\$1,026	\$1,121,615	
		Lighting	\$350,640	\$123,779	\$101,495	\$634,800	\$1,210,215	\$41,003	\$40,346	\$11,180	\$92,529	\$1,303,244	
		Audits	\$350,639	\$59,128	\$4,292	\$643,125	\$1,067,183	\$4,727	\$4,652	\$1,289	\$10,668	\$1,087,851	
	Home Performance Program	Behavioral	\$1,961,638	\$0	\$95,133	\$0	\$2,056,771	\$104,782	\$103,105	\$28,571	\$236,458	\$2,293,229	
		Kits	\$476,926	\$154,853	\$21,303	\$2,754,000	\$3,407,083	\$23,464	\$23,088	\$6,398	\$52,950	\$3,460,032	
		New Homes	\$188,129	\$15,281	\$146	\$262,500	\$466,055	\$161	\$158	\$44	\$363	\$466,419	
	Residential Low-Income	Low Income Program	Home Performance	\$200,315	\$5,950	\$78	\$0	\$206,352	\$86	\$85	\$23	\$194	\$206,547
Human Services			\$2,091,834	\$49,643	\$80,500	\$0	\$2,221,977	\$90,000	\$82,425	\$126,440	\$298,865	\$2,520,842	
Small C&I	C&I Energy Efficient Equipment Program - Small	Appliances	\$173,716	\$26,339	\$14,315	\$337,487	\$551,856	\$12,799	\$12,594	\$3,490	\$28,884	\$580,740	
		Custom Equipment	\$937,145	\$215	\$317	\$273,002	\$1,210,679	\$284	\$279	\$77	\$640	\$1,211,319	
		Food Service	\$2,577	\$755	\$1,115	\$445,370	\$449,817	\$97	\$95	\$22	\$224	\$452,057	
		HVAC & Water Heating	\$3,788	\$1,110	\$1,639	\$180,470	\$187,006	\$1,442	\$1,399	\$306	\$180,313		
		Lighting	\$87,968	\$25,784	\$38,051	\$496,425	\$648,228	\$33,478	\$32,277	\$8,272	\$725,007		
	C&I Energy Efficient Buildings Program - Small	Audits	\$95,228	\$19,629	\$1,348	\$550,200	\$706,405	\$58	\$57	\$15	\$1,034	\$667,439	
		Custom Buildings	\$67,371	\$32,252	\$548	\$102,594	\$202,765	\$185	\$182	\$51	\$418	\$203,181	
		Kits	\$150,417	\$62,708	\$53,510	\$230,000	\$496,635	\$19,178	\$17,887	\$4,957	\$41,021	\$537,657	
		New Buildings	\$14,610	\$1,897	\$32	\$4,521	\$21,060	\$11	\$11	\$3	\$25	\$21,085	
		Custom Equipment	\$368,629	\$82	\$309	\$1,624,580	\$2,013,500	\$54	\$53	\$15	\$122	\$1,983,622	
Large C&I	C&I Energy Efficient Buildings Program - Large	Lighting	\$131,052	\$38,412	\$144,279	\$590,176	\$892,918	\$25,193	\$24,790	\$6,870	\$56,853	\$935,772	
		HVAC	\$1,089	\$319	\$1,199	\$311	\$2,718	\$208	\$206	\$57	\$472	\$273,390	
		Audits	\$42,272	\$20,236	\$47,604	\$5,072	\$115,184	\$4,151	\$4,085	\$1,132	\$9,368	\$124,552	
Government	Governmental & Institutional Program	Appliances	\$2,193	\$701	\$343	\$146,281	\$151,517	\$192	\$188	\$52	\$434	\$152,001	
		Audits	\$6,163	\$341	\$581	\$153,605	\$160,690	\$119	\$117	\$32	\$267	\$161,028	
		HVAC & Water Heating	\$97	\$28	\$55	\$4,755	\$5,035	\$112	\$110	\$31	\$263	\$5,298	
		Lighting	\$3,819	\$1,119	\$21	\$11,745	\$16,704	\$4,404	\$4,333	\$1,201	\$9,938	\$18,231	
		Outdoor Lighting	\$694	\$274	\$37	\$2,550	\$3,555	\$801	\$788	\$218	\$1,807	\$2,614	
		Multifamily	\$130,788	\$10,289	\$5,289	\$0	\$146,366	\$1,601	\$1,576	\$437	\$3,614	\$146,977	
		Grand Total		\$9,052,932	\$954,185	\$798,281	\$12,622,811	\$23,446,111	\$413,532	\$400,777	\$214,658	\$1,028,967	\$24,475,078

Includes costs for plan development, modeling, employee expenses, and legal fees.

1. This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before final decisions are made. Upon completion, the plans will be further refined consistent with Commission requirements for changes to the plans.

Appendix C: Program costs and savings by program year
 o Program Year is June 1 - May 31

		Met-Ed				Administrative Costs							
		Direct Costs				Administrative Costs							
Sector	Program	Sub Program	2014 Program Administration	2014 Marketing	2014 M&V	2014 Incentives	Total 2014 Direct Costs	2014 Labor	2014 Tracking & Reporting	2014 Other	Total 2014 Administrative Costs	2014 Total Costs	
Residential	Appliance Turn-In Program	Appliance Turn-In	\$638,775	\$225,000	\$53,549	\$365,500	\$1,282,824	\$33,974	\$35,712	\$3,247	\$73,433	\$1,356,257	
		Energy Efficient Products Program	\$157,499	\$2,189	\$1,791	\$758,885	\$930,364	\$728	\$765	\$80	\$1,573	\$931,936	
	Home Performance Program	Consumer Electronics	\$61,320	\$0	\$885	\$114,900	\$177,206	\$402	\$422	\$44	\$868	\$178,077	
		HVAC & Water Heating	\$330,770	\$35,114	\$1,228	\$878,480	\$1,243,591	\$490	\$324	\$56	\$1,078	\$1,244,670	
		Lighting	\$358,354	\$126,502	\$103,492	\$634,800	\$1,223,149	\$42,047	\$44,198	\$4,637	\$90,882	\$1,314,030	
		Audits	\$325,918	\$47,368	\$3,345	\$508,125	\$884,758	\$3,891	\$4,050	\$429	\$8,410	\$893,168	
		Behavioral	\$2,314,953	\$0	\$98,072	\$0	\$2,413,025	\$113,882	\$119,812	\$12,571	\$246,965	\$2,669,960	
		Kits	\$493,784	\$154,853	\$21,961	\$2,754,000	\$3,424,599	\$25,524	\$26,830	\$2,815	\$55,168	\$3,479,767	
	Residential Low-Income	Low Income Program	New Homes	\$182,267	\$15,617	\$151	\$762,500	\$470,535	\$175	\$184	\$19	\$379	\$470,914
	Small C&I	C&I Energy Efficient Equipment Program - Small	Home Performance	\$204,721	\$5,960	\$81	\$0	\$210,762	\$94	\$98	\$10	\$202	\$210,964
Human Services			\$1,374,590	\$22,995	\$82,271	\$0	\$1,479,856	\$91,880	\$57,612	\$111,924	\$261,516	\$1,741,372	
C&I Energy Efficient Buildings Program - Small		Appliances	\$205,547	\$36,213	\$14,498	\$353,937	\$610,196	\$13,129	\$13,600	\$1,448	\$28,377	\$638,573	
		Custom Equipment	\$957,760	\$216	\$313	\$273,002	\$1,231,281	\$283	\$298	\$31	\$3,372	\$1,234,965	
		Food Service	\$4,094	\$1,195	\$1,714	\$787,950	\$794,941	\$53	\$1,832	\$171	\$3,366	\$798,299	
		HVAC & Water Heating	\$5,271	\$1,815	\$2,626	\$280,006	\$290,712	\$17	\$2,500	\$262	\$5,140	\$275,858	
C&I Energy Efficient Buildings Program - Small		Lighting	\$89,560	\$25,921	\$37,504	\$498,425	\$649,410	\$3,725	\$35,699	\$3,245	\$73,406	\$722,816	
		Audits	\$97,323	\$16,991	\$1,378	\$850,200	\$955,891	\$407	\$428	\$45	\$881	\$956,772	
		Custom Buildings	\$68,853	\$32,961	\$558	\$102,584	\$204,956	\$165	\$173	\$18	\$366	\$205,323	
		Kits	\$153,726	\$5,526	\$54,687	\$230,000	\$443,939	\$15,166	\$16,993	\$1,783	\$34,942	\$479,182	
Large C&I	C&I Energy Efficient Equipment Program - Large	New Buildings	\$14,932	\$1,939	\$33	\$4,521	\$21,425	\$10	\$10	\$1	\$21	\$21,446	
		Custom Equipment	\$366,416	\$83	\$316	\$1,624,580	\$2,017,915	\$54	\$57	\$6	\$117	\$2,018,111	
	C&I Energy Efficient Buildings Program - Large	Lighting	\$133,422	\$38,616	\$147,416	\$79,176	\$358,630	\$25,248	\$26,539	\$2,784	\$54,572	\$413,202	
		HVAC	\$1,142	\$331	\$1,787	\$15,915	\$19,175	\$216	\$227	\$24	\$467	\$20,117	
		Audits	\$43,202	\$20,681	\$49,851	\$7,072	\$120,806	\$4,168	\$4,391	\$460	\$5,009	\$126,665	
		Custom Buildings	\$89,104	\$42,555	\$100,342	\$2,910	\$234,911	\$8,596	\$9,036	\$948	\$19,580	\$254,495	
	Government	Governmental & Institutional Program	Appliances	\$3,899	\$1,292	\$1,469	\$1,469	\$7,129	\$292	\$307	\$32	\$631	\$7,761
			Audits	\$6,298	\$341	\$584	\$14,584	\$16,807	\$116	\$122	\$13	\$251	\$17,058
			HVAC & Water Heating	\$113	\$33	\$63	\$4,911	\$5,119	\$126	\$132	\$14	\$271	\$5,390
			Lighting	\$3,888	\$1,125	\$21	\$11,745	\$15,759	\$4,317	\$4,537	\$476	\$9,330	\$25,607
Grand Total		Outdoor Lighting	\$707	\$225	\$3,493	\$2,550	\$27,410	\$785	\$825	\$87	\$1,695	\$28,107	
		Multifamily	\$133,665	\$6,461	\$1,883	\$1,000	\$143,009	\$1,570	\$1,650	\$173	\$3,393	\$146,400	
			\$8,832,874	\$873,451	\$814,600	\$13,377,324	\$23,588,101	\$426,835	\$409,564	\$149,653	\$985,283	\$24,573,384	

Includes costs for plan development, modeling, employee expenses, and legal fees.

1. This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before implementation. Upon completion, the plans will be further refined consistent with Commission requirements for changes to the plans.

Appendix C: Program costs and savings by program year
 o Program Year is June 1 - May 31

Sector	Program	Sub Program	Met-Ed				Administrative Costs				Total 2015 Administrative Costs	2015 Total Costs
			Direct Costs				Administrative Costs					
			2015 Program Administration	2015 Marketing	2015 M&V*	2015 Incentives	Total 2015 Direct Costs	2015 Labor	2015 Tracking & Reporting	2015 Other*		
Residential	Appliance Turn-In Program	Appliance Turn-In	\$652,828	\$225,000	\$54,727	\$365,500	\$1,288,055	\$35,912	\$33,921	\$3,559	\$72,492	\$1,370,547
	Energy Efficient Products Program	Appliances	\$180,964	\$2,237	\$1,826	\$788,885	\$833,912	\$768	\$744	\$78	\$1,590	\$935,502
		Consumer Electronics	\$74,158	\$0	\$1,193	\$134,600	\$209,951	\$502	\$488	\$51	\$1,038	\$210,990
		HVAC & Water Heating	\$351,692	\$35,886	\$1,316	\$951,205	\$1,340,099	\$553	\$536	\$96	\$1,145	\$1,341,245
		Lighting	\$368,238	\$129,265	\$105,529	\$834,800	\$1,235,833	\$44,369	\$47,986	\$4,510	\$91,865	\$1,327,718
	Home Performance Program	Audits	\$308,045	\$35,095	\$2,342	\$715,578	\$1,059,578	\$2,738	\$2,654	\$278	\$5,672	\$725,250
		Behavioral	\$2,371,425	\$0	\$101,111	\$0	\$2,472,538	\$118,276	\$114,587	\$12,022	\$244,886	\$2,717,424
		Kits	\$511,733	\$154,853	\$22,642	\$2,754,000	\$3,443,225	\$26,465	\$25,660	\$2,692	\$54,837	\$3,498,068
		New Homes	\$196,497	\$15,960	\$155	\$262,500	\$475,113	\$182	\$176	\$18	\$376	\$475,489
Residential Low-Income	Low Income Program	Home Performance	\$209,225	\$5,960	\$83	\$0	\$215,268	\$97	\$94	\$10	\$201	\$215,469
		Human Services	\$2,155,695	\$37,620	\$84,081	\$0	\$2,277,396	\$94,004	\$82,838	\$116,900	\$293,741	\$2,571,137
Small C&I	C&I Energy Efficient Equipment Program - Small	Appliances	\$210,059	\$36,232	\$14,817	\$353,937	\$615,056	\$3,584	\$13,171	\$1,382	\$28,147	\$643,203
		Custom Equipment	\$978,830	\$221	\$319	\$273,002	\$1,252,377	\$293	\$284	\$30	\$607	\$1,252,979
		Food Service	\$4,184	\$1,211	\$1,752	\$787,950	\$795,067	\$788	\$1,557	\$103	\$3,328	\$798,426
		HVAC & Water Heating	\$6,409	\$1,855	\$2,684	\$260,005	\$270,953	\$2,388	\$2,386	\$250	\$5,098	\$276,052
		Lighting	\$91,530	\$26,492	\$38,329	\$495,425	\$652,776	\$3,706	\$34,959	\$3,574	\$72,829	\$725,585
	C&I Energy Efficient Buildings Program - Small	Audits	\$100,535	\$20,921	\$1,418	\$553,850	\$676,726	\$426	\$413	\$43	\$883	\$677,609
		Custom Buildings	\$69,975	\$33,498	\$570	\$102,594	\$206,637	\$171	\$166	\$17	\$354	\$206,991
		Kits	\$157,108	\$5,954	\$55,850	\$230,000	\$448,912	\$18,783	\$18,260	\$1,706	\$34,749	\$483,661
		New Buildings	\$15,237	\$1,970	\$34	\$4,521	\$22,752	\$10	\$10	\$1	\$21	\$22,783
Large C&I	C&I Energy Efficient Equipment Program - Large	Custom Equipment	\$374,477	\$84	\$322	\$1,624,582	\$2,023,464	\$56	\$54	\$6	\$116	\$1,999,580
		Lighting	\$136,357	\$39,466	\$150,659	\$58,178	\$384,658	\$26,158	\$25,342	\$2,656	\$54,158	\$398,816
		HVAC	\$1,167	\$338	\$1,290	\$2,915	\$229,710	\$224	\$217	\$23	\$464	\$230,174
	C&I Energy Efficient Buildings Program - Large	Audits	\$43,906	\$21,018	\$49,721	\$33,072	\$157,717	\$4,304	\$4,170	\$438	\$8,912	\$166,629
		Custom Buildings	\$60,556	\$43,350	\$102,550	\$70,100	\$276,556	\$8,878	\$8,601	\$902	\$18,381	\$1,110,747
Government	Governmental & Institutional Program	Appliances	\$3,985	\$1,283	\$1,501	\$6,000	\$10,570	\$302	\$293	\$31	\$626	\$11,196
		Audits	\$6,437	\$341	\$597	\$140,500	\$148,896	\$120	\$116	\$12	\$249	\$154,145
		HVAC & Water Heating	\$116	\$33	\$64	\$4,915	\$5,028	\$130	\$129	\$13	\$269	\$5,374
		Lighting	\$3,973	\$1,150	\$22	\$11,745	\$39,065	\$4,468	\$4,329	\$454	\$9,251	\$48,316
		Outdoor Lighting	\$722	\$289	\$405	\$2,550	\$27,517	\$812	\$787	\$83	\$1,682	\$28,199
		Multitask	\$136,603	\$6,211	\$5,779	\$5,000	\$185,409	\$1,625	\$1,574	\$163	\$3,364	\$188,773
Grand Total			\$9,791,786	\$884,211	\$832,000	\$13,082,791	\$24,538,594	\$440,576	\$418,605	\$152,129	\$1,011,312	\$25,549,906

*Includes costs for plan development, modeling, employee expenses, and legal fees.

1. This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before decisions can be implemented. Upon completion, the plans will be further refined consistent with Commission requirements for changes to the plans.

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Appendix C: Program costs and savings by program year
 o Program Year is June 1 - May 31

Sector	Program	Sub Program	Met-Ed				Administrative Costs				Total 2013-2015 Administrative Costs	Total 2013-2015 Total Costs	
			Direct Costs		Incentives		Total		2013-2015				
			2013-2015 Program Administration	2013-2015 Marketing	2013-2015 M&V	2013-2015 Incentives	2013-2015 Direct Costs	2013-2015 Labor	2013-2015 Tracking & Reporting	2013-2015 Other*			
Residential	Appliance Turn-In Program	Appliance Turn-In	\$1,915,629	\$675,000	\$160,671	\$1,096,500	\$3,848,800	\$103,007	\$103,108	\$16,582	\$222,697	\$4,071,497	
	Energy Efficient Products Program	Appliances	\$472,570	\$6,568	\$5,374	\$2,306,655	\$2,791,167	\$2,205	\$2,207	\$352	\$4,764	\$2,795,931	
		Consumer Electronics	\$185,478	\$0	\$2,589	\$345,700	\$534,168	\$1,230	\$1,229	\$184	\$2,643	\$536,811	
		HVAC & Water Heating	\$989,437	\$106,358	\$3,670	\$2,806,815	\$3,704,279	\$1,507	\$1,508	\$235	\$3,250	\$3,707,529	
		Lighting	\$1,025,233	\$379,567	\$310,516	\$1,904,400	\$3,685,716	\$127,419	\$127,530	\$20,327	\$275,276	\$3,944,992	
	Home Performance Program	Audits	\$825,601	\$141,562	\$9,882	\$1,524,375	\$2,681,520	\$11,358	\$11,359	\$1,997	\$24,750	\$2,696,270	
		Behavioral	\$6,648,018	\$0	\$294,316	\$0	\$6,942,334	\$337,040	\$337,505	\$53,164	\$727,709	\$7,670,043	
		Kits	\$1,482,443	\$464,560	\$65,906	\$8,262,000	\$10,274,910	\$75,473	\$75,577	\$11,905	\$162,956	\$10,437,865	
		New Homes	\$575,893	\$46,858	\$452	\$787,500	\$1,411,704	\$518	\$519	\$82	\$1,118	\$1,412,822	
	Residential Low-Income	Low Income Program	Home Performance	\$614,261	\$17,879	\$242	\$0	\$632,382	\$277	\$277	\$44	\$598	\$632,980
Human Services			\$5,622,119	\$110,258	\$246,852	\$0	\$5,979,229	\$75,584	\$222,874	\$355,264	\$654,120	\$6,633,350	
Small C&I	C&I Energy Efficient Equipment Program - Small	Appliances	\$569,333	\$98,784	\$43,631	\$1,045,361	\$1,777,108	\$523	\$39,565	\$6,320	\$65,408	\$1,862,516	
		Custom Equipment	\$2,873,735	\$652	\$949	\$819,006	\$3,694,344	\$0	\$861	\$138	\$1,859	\$3,696,201	
		Food Service	\$10,856	\$3,151	\$4,587	\$2,021,270	\$2,039,853	\$4,170	\$606	\$0	\$8,934	\$2,048,792	
		HVAC & Water Heating	\$15,469	\$4,780	\$6,949	\$700,480	\$728,678	\$0	\$6,327	\$912	\$13,545	\$742,223	
	C&I Energy Efficient Buildings Program - Small	Lighting	\$269,058	\$78,197	\$113,885	\$1,489,275	\$4,650,415	\$1,150	\$103,266	\$16,567	\$222,993	\$4,873,408	
		Audits	\$293,188	\$60,541	\$4,146	\$1,654,350	\$4,012,625	\$252	\$1,252	\$213	\$2,797	\$4,015,422	
		Custom Buildings	\$206,200	\$96,711	\$1,674	\$307,782	\$611,267	\$521	\$522	\$0	\$1,129	\$612,396	
		Kits	\$461,252	\$74,488	\$164,677	\$680,000	\$1,310,407	\$51,127	\$51,140	\$8,445	\$110,712	\$1,500,526	
	Large C&I	C&I Energy Efficient Equipment Program - Large	New Buildings	\$44,780	\$5,807	\$98	\$13,563	\$59,248	\$31	\$31	\$5	\$66	\$59,314
			Custom Equipment	\$1,066,421	\$249	\$647	\$4,897,740	\$6,974,359	\$164	\$164	\$26	\$354	\$6,974,713
Large C&I	C&I Energy Efficient Buildings Program - Large	Lighting	\$400,831	\$118,495	\$442,353	\$1,529	\$2,667,207	\$76,509	\$76,671	\$12,313	\$165,583	\$2,832,790	
		HVAC	\$3,398	\$988	\$3,751	\$5,141	\$8,680,222	\$649	\$650	\$104	\$1,403	\$8,681,625	
Government	Governmental & Institutional Program	Audits	\$129,380	\$61,936	\$745,976	\$2,207,016	\$3,104,308	\$12,623	\$12,636	\$2,029	\$27,288	\$3,131,596	
		Custom Buildings	\$266,846	\$127,743	\$301,073	\$2,207,016	\$3,202,678	\$26,035	\$26,061	\$4,185	\$56,282	\$3,258,960	
Government	Governmental & Institutional Program	Appliances	\$10,676	\$3,255	\$3,813	\$5,479	\$27,062	\$786	\$789	\$115	\$1,690	\$28,772	
		Audits	\$18,899	\$1,023	\$1,795	\$39,505	\$61,222	\$355	\$355	\$57	\$667	\$62,144	
		HVAC & Water Heating	\$326	\$95	\$1	\$14,605	\$16,427	\$368	\$368	\$58	\$494	\$17,349	
		Lighting	\$11,680	\$3,395	\$65,000	\$38,235	\$115,835	\$13,189	\$13,200	\$2,131	\$28,519	\$144,354	
		Outdoor Lighting	\$2,124	\$0	\$1,000	\$0	\$3,124	\$2,388	\$2,400	\$367	\$5,165	\$8,490	
		Multifamily	\$401,060	\$23,500	\$23,500	\$1,000	\$550,475	\$4,796	\$4,800	\$775	\$10,371	\$560,845	
Grand Total			\$27,677,591	\$2,712,119	\$2,443,021	\$38,002,264	\$71,572,806	\$1,280,945	\$1,228,577	\$515,640	\$3,025,562	\$74,598,368	

*Includes costs for plan development, modeling, employee expenses, and legal fees.

1. This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before programs can be initiated. Upon completion, the plans will be further refined consistent with Commission requirements for changes to the plans.

Appendix C: Program costs and savings by program year
 o Program Year is June 1 - May 31

Residential Portfolio (exclusive of Low-Income)			Met-Ed TRC Benefits By Program Per Year (\$000)									
Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity Annual		Energy Annual		Load Reductions in kW		MWh Saved	
					Benefits	Gen/T&D	Benefits	On/Off Peak	Annual	Lifetime	Annual	Lifetime
Appliance Turn-In Program	2013		979	220	49,834	See footnote 1	169,987	See footnote 2	525		4,790	
	2014		991	412	60,801		350,837		1,049		9,580	
	2015		1,005	658	109,834		548,233		1,574		14,370	
	Total	1.4	2,770	3,862	501,664		3,360,111			10,874		69,801
Energy Efficient Products Program	2013		2,819	501	70,074		431,339		738		21,997	
	2014		2,971	984	87,176		896,574		1,505		44,300	
	2015		3,104	1,572	160,257		1,411,522		2,297		66,917	
	Total	1.1	8,267	9,106	822,802		4,283,464			18,988		170,958
Home Performance Program	2013		6,410	4,044	538,439		4,205,557		5,669		62,811	
	2014		6,691	5,065	383,243		4,009,899		6,614		84,293	
	2015		6,669	6,469	525,302		5,941,522		7,528		104,760	
	Total	1.5	18,402	27,623	2,031,911		25,591,528			38,777		505,791
Total		1.4	29,439	40,591	3,356,278		37,235,078			68,639		746,550

1: Generation, Transmission and Distribution Capacity costs are combined in a sum of avoided capacity costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided capacity costs can not be identified by component; therefore, the total avoided capacity costs for Generation, Transmission, and Distribution are displayed here.

2: The on and off peak energy costs are combined in a sum of avoided energy costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided energy costs can not be identified by component; therefore, the total avoided energy costs for on and off peak energy costs are displayed here.

Residential Low-Income Portfolio			Met-Ed TRC Benefits By Program Per Year (\$000)									
Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity Annual		Energy Annual		Load Reductions in kW		MWh Saved	
					Benefits	Gen/T&D	Benefits	On/Off Peak	Annual	Lifetime	Annual	Lifetime
Low Income Program	2013		2,775	18,355	27,730	See footnote 1	157,032	See footnote 2	325		3,568	
	2014		2,000	249	73,074		215,577		571		4,480	
	2015		2,834	2,287	59,748		336,909		856		6,720	
	Total	0.3	7,609	22,891	320,834		1,960,284			7,158		40,024
Total		0.3	7,609	22,891	320,834		1,960,284			7,158		40,024

1: Generation, Transmission and Distribution Capacity costs are combined in a sum of avoided capacity costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided capacity costs can not be identified by component; therefore, the total avoided capacity costs for Generation, Transmission, and Distribution are displayed here.

2: The on and off peak energy costs are combined in a sum of avoided energy costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided energy costs can not be identified by component; therefore, the total avoided energy costs for on and off peak energy costs are displayed here.

3: This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further refined consistent with Commission requirements for changes to the plans.

Appendix C: Program costs and savings by program year
 a Program Year a: June 1 - May 31

		Direct Costs					Administrative Costs							
Sector	Program	Sub-Program	2013 Program		2013	2013	2013	2013	2013	2013	2013	2013	2013	
			Administra	Marketing										2013 MAY
Residential	Appliance Lumin Program	Appliances Lumin	Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	
			Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	
	Energy Efficient Products Program	Appliances	Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	
			Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	
	Home Performance Program	Audits	Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	
			Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	
	Retail/High-Low-Income	Low Income Program	Home Performance	Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013
				Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013
	Small C&I	C&I Energy Efficient Equipment Program - Small	Appliances	Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013
				Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013
C&I Energy Efficient Buildings Program - Small		Audits	Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	
			Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	
Large C&I		C&I Energy Efficient Equipment Program - Large	Custom Equipment	Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013
				Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013
Governmental		Governmental & Institutional Program	Appliances	Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013
				Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013
Grand Total			Administra	Marketing	2013 MAY	2013	2013	2013	2013	2013	2013	2013	2013	

*Includes costs for plan development, modeling, employee expenses, and legal fees
 **Includes Low Income

Appendix C: Program costs and savings by program year
 o Program Year o June 1 - May 31

		Met-Ed				Administrative Costs							
		Direct Costs		Administrative Costs		Direct Costs		Administrative Costs					
Sector	Program	Sub-Program	2014 Program Administration	2014 Marketing	2014 EEV	2014 Incentives	Total 2014	2014 Labor	2014 Tracking & Reporting	2014 Other*	Total 2014 Administrative Costs	2014 Total Costs	
Residential	Appliance Turn-in Program	Appliances Turn-in	1636 776				\$1 252 524		\$33 974		\$3 743	\$12 433	\$1 265 257
		Appliances	\$157 499	\$2 189	\$1 791	\$747 545	\$609 624	\$778	\$402	\$422	\$44	\$1 579	\$197 569
	Energy Efficient Products Program	Consumer Electronics	\$61 320	\$0	\$359	\$114 900	\$177 239	\$402	\$422	\$44	\$44	\$859	\$178 077
		HVAC & Water Heating	\$330 770	\$35 114	\$1 223	\$573 090	\$1 740 191	\$499	\$524	\$55	\$1 078	\$1 678	\$1 241 270
		Lighting	\$358 354	\$178 502	\$102 452	\$634 800	\$1 223 145	\$42 047	\$44 198	\$4 832	\$90 957	\$1 314 029	\$1 314 029
		Home Performance Program											
	Home Performance	Audits	\$329 194	\$47 368	\$3 375	\$508 124	\$686 062	\$3 861	\$4 060	\$429	\$429	\$4 119	\$693 473
		Behavioral	\$2 298 690	\$0	\$98 170	\$0	\$2 396 860	\$119 562	\$119 512	\$12 571	\$12 505	\$12 571	\$2 643 225
		Kits	\$468 862	\$152 775	\$21 635	\$2 716 300	\$3 379 674	\$25 524	\$26 830	\$2 815	\$55 168	\$55 168	\$3 434 793
		New Homes	\$192 287	\$13 817	\$122	\$0	\$202 526	\$472 826	\$175	\$184	\$19	\$379	\$470 915
Residential Low-income	Low Income Program	Home Performance	\$204 721	\$5 950	\$81	\$0	\$210 752	\$54	\$54	\$10	\$10	\$210 925	
		Human Services	\$1 431 822	\$22 995	\$82 271	\$0	\$1 537 088	\$91 980	\$57 812	\$111 024	\$261 516	\$1 798 604	
Small C&I	C&I Energy Efficient Equipment Program - Small	Appliances	\$20 547	\$36 213	\$14 436	\$26 337	\$81 533	\$13 129	\$13 800	\$1 446	\$1 446	\$13 871	\$95 373
		Custom Equipment	\$957 902	\$246	\$123	\$279 041	\$1 237 006	\$285	\$290	\$31	\$412	\$1 231 862	\$1 231 862
		Food Service	\$4 004	\$1 105	\$1 714	\$787 950	\$794 669	\$1 563	\$1 832	\$171	\$1 356	\$1 738 294	\$1 738 294
		HVAC & Water Heating	\$6 271	\$1 815	\$2 826	\$200 005	\$210 715	\$2 378	\$2 500	\$262	\$3 140	\$275 856	\$275 856
	C&I Energy Efficient Buildings Program - Small	Lighting	\$89 980	\$25 921	\$37 504	\$496 425	\$649 830	\$3 962	\$35 639	\$3 748	\$73 406	\$73 406	\$722 816
		Audits	\$81 323	\$13 561	\$1 378	\$552 200	\$648 462	\$407	\$428	\$45	\$481	\$649 772	\$649 772
	C&I Energy Efficient Buildings Program - Large	Custom Buildings	\$69 853	\$32 961	\$58	\$102 594	\$204 598	\$105	\$173	\$18	\$166	\$205 229	\$205 229
		Kits	\$153 726	\$5 826	\$54 687	\$230 000	\$444 239	\$16 198	\$16 893	\$1 783	\$34 942	\$34 942	\$479 182
		New Buildings	\$14 892	\$1 939	\$33	\$4 521	\$21 425	\$10	\$10	\$1	\$21	\$21	\$21 446
		Custom Equipment	\$368 418	\$63	\$118	\$1 624 300	\$1 992 839	\$24	\$37	\$4	\$111	\$139 511	\$1 395 511
Large C&I	C&I Energy Efficient Buildings Program - Large	Lighting	\$133 422	\$35 619	\$147 418	\$508 176	\$698 630	\$25 249	\$26 539	\$2 794	\$54 522	\$54 522	\$753 152
		HVAC	\$1 142	\$331	\$1 262	\$229 915	\$232 650	\$218	\$227	\$24	\$467	\$233 117	\$233 117
Government	C&I Energy Efficient Buildings Program - Large	Audits	\$43 252	\$20 681	\$40 651	\$223 672	\$338 656	\$4 360	\$4 381	\$462	\$9 009	\$344 675	\$344 675
		Custom Buildings	\$89 104	\$48 855	\$100 345	\$695 919	\$1 088 228	\$4 996	\$9 236	\$545	\$18 968	\$18 968	\$1 108 968
	Governmental & Institutional Program	Audits	\$3 899	\$1 282	\$1 469	\$3 802	\$702	\$307	\$33	\$33	\$631	\$1 035	\$1 035
		Lighting	\$6 298	\$341	\$584	\$146 520	\$153 744	\$118	\$122	\$13	\$291	\$153 995	\$153 995
		HVAC & Water Heating	\$1 113	\$33	\$332	\$4 910	\$5 688	\$128	\$132	\$14	\$271	\$5 959	\$5 959
		Lighting	\$3 886	\$1 125	\$21 719	\$11 745	\$38 475	\$4 317	\$4 531	\$476	\$9 326	\$44 807	\$44 807
	Governmental & Institutional Program	Outdoor Lighting	\$707	\$203	\$3 949	\$22 550	\$27 209	\$27 410	\$785	\$825	\$87	\$1 695	\$29 107
		Maintenance	\$133 895	\$4 724	\$7 898	\$34 000	\$182 517	\$1 570	\$1 650	\$173	\$3 393	\$185 900	\$185 900
	Grand Total			\$5 868 157	\$871 618	\$874 482	\$13 034 464	\$23 559 764	\$425 835	\$408 584	\$148 853	\$955 283	\$25 515 047

* Includes costs for plan development, modeling, employee expenses, and legal fees
 ** Includes Low Income

Appendix C: Program costs and savings by program year
 a Program Year is June 1 - May 31

MetEd													
Direct Costs										Administrative Costs			
Sector	Program	Sub Program	2015 Program				Total 2015 Direct Costs	2015 Labor	2015 Tracking &		Total 2015 Administrative Costs	2015 Total Costs	
			Admission	Marketing	ES&V	Incentives			Reporting	Other*			
Residential	Appliance Turnin Program	Appliance Turnin	\$53,833	\$25,030	\$54,727	\$333,303	\$1,528,054	\$20,012	\$33,821	\$3,959	\$12,452	\$1,572,341	
	Energy Efficient Products Program	Appliance	\$160,964	\$2,237	\$1,626	\$747,545	\$912,372	\$769	\$749	\$75	\$1,530	\$914,180	
		Consumer Electronics	\$74,158	\$0	\$1,193	\$134,600	\$209,951	\$502	\$406	\$51	\$1,032	\$210,990	
		HVAC & Water Heating	\$361,882	\$30,886	\$1,318	\$947,808	\$1,339,898	\$553	\$536	\$56	\$1,145	\$1,337,845	
		Lighting	\$368,238	\$129,285	\$105,329	\$634,305	\$1,226,853	\$44,398	\$42,985	\$4,510	\$91,823	\$1,327,718	
	Home Performance Program	Audits	\$339,340	\$30,076	\$2,363	\$373,124	\$113,880	\$2,739	\$2,654	\$278	\$5,675	\$125,567	
		Behavioral**	\$2,354,788	\$0	\$101,326	\$0	\$2,456,024	\$118,278	\$114,587	\$12,022	\$244,896	\$2,700,900	
		K&S New Homes	\$504,856	\$151,817	\$22,402	\$2,700,000	\$3,378,875	\$26,406	\$25,860	\$2,682	\$54,937	\$3,433,712	
	Residential Low-Income	Low Income Program	Home Performance	\$709,225	\$0,960	\$84	\$0	\$115,269	\$0	\$34	\$18	\$121	\$115,390
			Human Services	\$2,229,587	\$38,581	\$84,081	\$0	\$2,352,249	\$54,024	\$82,838	\$118,900	\$293,741	\$2,646,000
Small C&I	C&I Energy Efficient Equipment Program - Small	Appliances	\$210,009	\$38,232	\$14,817	\$353,331	\$615,056	\$13,564	\$13,171	\$1,382	\$25,747	\$640,793	
		Custom Equipment	\$918,830	\$221	\$319	\$273,007	\$1,202,377	\$293	\$254	\$30	\$601	\$1,203,078	
		Food Service	\$4,184	\$1,211	\$1,782	\$787,950	\$795,027	\$1,608	\$1,557	\$183	\$3,328	\$798,426	
		HVAC & Water Heating	\$6,409	\$1,855	\$2,684	\$280,005	\$290,953	\$2,462	\$2,395	\$250	\$5,096	\$296,049	
	C&I Energy Efficient Buildings Program - Small	Lighting	\$91,530	\$26,492	\$38,359	\$496,429	\$652,715	\$36,166	\$34,089	\$3,574	\$72,808	\$679,585	
		Audits	\$100,835	\$20,921	\$1,419	\$553,959	\$676,826	\$428	\$413	\$43	\$883	\$677,809	
		Custom Buildings	\$60,975	\$33,486	\$570	\$102,594	\$206,625	\$171	\$168	\$17	\$354	\$207,079	
	Large C&I	C&I Energy Efficient Equipment Program - Large	Custom Equipment	\$314,477	\$84	\$322	\$1,624,900	\$1,999,464	\$38	\$54	\$6	\$176	\$1,999,540
			Lighting	\$136,267	\$38,406	\$150,859	\$589,178	\$893,658	\$26,158	\$25,342	\$2,856	\$54,158	\$947,816
			HVAC	\$1,162	\$338	\$1,290	\$228,915	\$232,710	\$224	\$217	\$23	\$464	\$233,174
C&I Energy Efficient Buildings Program - Large	Audits	\$43,506	\$71,018	\$49,721	\$223,072	\$337,317	\$4,304	\$4,170	\$438	\$8,912	\$346,229		
	Custom Buildings	\$20,556	\$43,350	\$102,350	\$856,918	\$1,023,174	\$4,878	\$4,691	\$302	\$9,871	\$1,033,045		
Government	Governmental & Institutional Program	Appliances	\$13,565	\$1,283	\$1,501	\$3,302	\$10,270	\$302	\$263	\$31	\$636	\$11,199	
		Audits	\$6,437	\$341	\$307	\$146,520	\$153,895	\$120	\$118	\$12	\$249	\$154,145	
		HVAC & Water Heating	\$118	\$33	\$648	\$4,910	\$5,705	\$130	\$125	\$12	\$298	\$5,974	
		Lighting	\$3,973	\$1,150	\$22,187	\$11,745	\$39,055	\$4,468	\$4,229	\$454	\$9,251	\$48,316	
		Outdoor Lighting	\$72	\$20	\$4,026	\$22,503	\$27,221	\$412	\$373	\$33	\$823	\$28,049	
		Multimedia	\$138,600	\$4,731	\$4,072	\$34,000	\$181,403	\$1,825	\$1,574	\$165	\$3,564	\$185,037	
		Grand Total			\$5,842,235	\$882,163	\$832,401	\$12,951,436	\$24,328,234	\$440,979	\$418,605	\$152,128	\$1,011,312

* Includes costs for plan development, modeling, employee expenses, and legal fees.
 ** Includes Low Income

Appendix C: Program costs and savings by program year
 a Program Year is June 1 - May 31

Sector	Program	SIO Program	Direct Costs					Administration Costs			Total			
			2013-2015 Program Admissions	2013-2015 Marketing	2013-2016 1st Yr	2013-2016 Incumbents	2013-2016 Direct Costs	2013-2015 Labor	2013-2015 Travel & Reporting	2013-2016 Other	2013-2015 Administration Costs	2013-2015 Total Costs		
Residential	Appearance Turnover Program	Appliances Turnover	\$1,916,629	\$675,000	\$180,671	\$1,096,500	\$2,777,141	\$3,943,600	\$103,007	\$103,108	\$16,540	\$2,727,691	\$4,071,401	
	Energy Efficient Products Program	Appliances	\$472,570	\$6,568	\$5,374	\$2,242,635	\$2,727,141	\$2,206	\$2,207	\$352	\$4,764	\$2,731,911	\$4,791,911	
		Consumer Electronics	\$183,478	\$0	\$2,889	\$345,700	\$534,168	\$1,290	\$1,229	\$184	\$2,643	\$536,811	\$539,454	
		HVAC & Water Heating Lighting	\$989,627	\$106,253	\$3,570	\$2,556,615	\$3,654,079	\$1,507	\$1,508	\$298	\$3,254	\$3,657,333	\$3,660,587	
	Home Performance Program	Audits	\$368,173	\$141,562	\$10,624	\$1,524,375	\$2,044,734	\$2,567,180	\$11,356	\$11,356	\$1,967	\$2,476,592	\$2,488,115	
		Behavioral	\$6,601,314	\$0	\$294,485	\$0	\$6,895,800	\$337,040	\$337,505	\$53,184	\$777,709	\$7,673,509	\$7,673,509	
		K&S New Homes	\$1,470,440	\$458,389	\$65,658	\$8,170,200	\$10,164,737	\$75,473	\$75,577	\$11,905	\$162,955	\$10,327,692	\$10,327,692	
	Residential Low-income	Low Income Program	Home Performance	\$614,261	\$17,679	\$244	\$0	\$632,944	\$277	\$277	\$44	\$954	\$633,898	\$633,898
			Human Services	\$5,823,987	\$112,201	\$246,852	\$0	\$6,183,040	\$275,964	\$227,874	\$355,264	\$864,127	\$7,047,167	\$7,047,167
	Small C&I	C&I Energy Efficient Equipment Program - Small	Appliances	\$596,333	\$46,794	\$43,631	\$1,043,301	\$1,730,059	\$38,353	\$38,585	\$6,320	\$85,258	\$1,815,317	\$1,815,317
Custom Equipment			\$2,873,735	\$602	\$149	\$819,006	\$3,696,492	\$860	\$861	\$136	\$1,857	\$3,698,349	\$3,698,349	
Food Service			\$10,656	\$3,151	\$4,581	\$2,021,270	\$2,039,658	\$4,157	\$4,170	\$606	\$8,934	\$2,048,592	\$2,048,592	
HVAC & Water Heating Lighting			\$16,489	\$4,780	\$6,949	\$700,480	\$728,698	\$6,206	\$6,227	\$912	\$13,545	\$742,243	\$742,243	
C&I Energy Efficient Buildings Program - Small		Audits	\$292,186	\$60,541	\$4,145	\$1,554,360	\$2,411,232	\$1,202	\$1,202	\$1,202	\$2,706	\$2,413,938	\$2,413,938	
		Custom Buildings	\$206,200	\$98,711	\$1,674	\$307,782	\$613,367	\$521	\$522	\$486	\$1,549	\$614,916	\$614,916	
		K&S New Buildings	\$481,252	\$74,468	\$164,077	\$680,000	\$1,399,817	\$51,127	\$51,140	\$8,446	\$110,712	\$1,510,529	\$1,510,529	
Large C&I		C&I Energy Efficient Equipment Program - Large	Custom Equipment	\$1,009,421	\$249	\$347	\$4,973,743	\$6,223,760	\$164	\$164	\$28	\$354	\$6,224,114	\$6,224,114
			Lighting	\$400,831	\$116,405	\$442,363	\$1,707,525	\$2,667,124	\$76,589	\$76,671	\$12,219	\$165,569	\$2,832,693	\$2,832,693
			HVAC	\$3,308	\$986	\$3,751	\$678,141	\$686,276	\$649	\$650	\$104	\$1,403	\$687,679	\$687,679
Government	Governmental & Institutional Program	Appliances	\$10,076	\$1,280	\$3,913	\$9,821	\$25,090	\$796	\$796	\$115	\$1,607	\$26,697	\$26,697	
		Audits HVAC & Water Heating Lighting Outdoor Lighting Mobility	\$18,859 \$326 \$11,880 \$2,124 \$401,080	\$1,023 \$95 \$3,395 \$617 \$27,582	\$1,783 \$1,820 \$65,328 \$11,914 \$23,827	\$436,560 \$14,005 \$35,295 \$67,852 \$1,022,008	\$481,245 \$16,853 \$115,285 \$82,305 \$500,479	\$355 \$308 \$13,189 \$2,398 \$4,796	\$355 \$398 \$13,200 \$2,400 \$4,800	\$57 \$56 \$2,191 \$2,400 \$375	\$1,600 \$787 \$16,647 \$5,185 \$3,071	\$482,012 \$17,647 \$18,838 \$7,580 \$3,446		
Grand Total			\$27,821,317	\$2,708,500	\$2,443,832	\$38,573,244	\$71,547,303	\$1,280,945	\$1,298,977	\$515,849	\$3,028,562	\$74,575,865		

* Includes costs for plan development, modeling, employee expenses, and legal fees
 ** Includes Low Income

Appendix C: Program costs and savings by program year
 o Program Year o June 1 - May 31

Residential Portfolio (exclusive of Low-Income)		Net-Ed TRC Benefits By Program Per Year (\$000)										
Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Benefits Annual	Gen/T&D Annual	Benefits Annual	On/Off Peak Annual	Load Reductions in kW		MWh Saved	
									Annual	Lifetime	Annual	Lifetime
Appliance Turn-In Program	2013		979	220	49,834	See footnote 1	169,987		525		4,790	
	2014		991	412	60,801		350,837		1,049		9,580	
	2015		1,005	658	109,834		548,233		1,574		14,370	
	Total	1.4	2,770	3,862	301,664		3,360,111			10,874		62,801
Energy Efficient Products Program	2013		2,819	501	70,074		431,339		738		21,997	
	2014		2,971	984	87,176		896,574		1,505		44,300	
	2015		3,104	1,572	160,257		1,411,522		2,297		66,917	
	Total	1.1	8,297	9,106	422,822		9,283,454			18,988		170,958
Home Performance Program	2013		6,396	4,024	535,209		3,488,458		5,638		82,527	
	2014		6,644	5,033	340,783		4,651,934		6,572		83,757	
	2015		6,606	6,415	521,392		5,893,778		7,472		103,886	
	Total	1.5	18,292	27,394	2,017,810		25,276,420			38,507		501,462
Total		1.4	29,329	40,362	3,342,276		37,019,995			68,369		742,221

1: Generation, Transmission and Distribution Capacity costs are combined in a sum of avoided capacity costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided capacity costs can not be identified by component, therefore, the total avoided capacity costs for Generation, Transmission, and Distribution are displayed here.

2: The on and off peak energy costs are combined in a sum of avoided energy costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided energy costs can not be identified by component, therefore, the total avoided energy costs for on and off peak energy costs are displayed here.

Residential Low-Income Portfolio		Net-Ed TRC Benefits By Program Per Year (\$000)										
Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Benefits Annual	Gen/T&D Annual	Benefits Annual	On/Off Peak Annual	Load Reductions in kW		MWh Saved	
									Annual	Lifetime	Annual	Lifetime
Low Income Program	2013		2,847	213	49,210	See footnote 1	163,682	See footnote 2	518		3,712	
	2014		2,057	281	55,331		225,267		955		4,569	
	2015		2,908	454	100,055		354,154		1,434		7,053	
	Total	0.4	7,276	2,597	336,917		2,059,691			12,006		42,064
Total		0.4	7,276	2,597	336,917		2,059,691			12,006		42,064

1: Generation, Transmission and Distribution Capacity costs are combined in a sum of avoided capacity costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided capacity costs can not be identified by component, therefore, the total avoided capacity costs for Generation, Transmission, and Distribution are displayed here.

2: The on and off peak energy costs are combined in a sum of avoided energy costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided energy costs can not be identified by component, therefore, the total avoided energy costs for on and off peak energy costs are displayed here.

3: Includes Human Services and Home Performance Sub-Programs

**Appendix D:
Calculation Methods and Assumptions**

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Appendix D-2: Measure Assumptions

Sector	Program	Sub Program	Measure	Measure Life	Met Ed			Incremental Cost	Rebate	O&M Benefit	Source of Savings	Source of Incremental Cost	
					Verified kWh Savings	Verified kW Savings	NTG						
Residential	Appliance Turn-In Program	Appliance Turn-In	Freezer Recycling	8.0	863	0.1069	0.59	\$0.00	\$50.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
			Refrigerator Recycling	8.0	629	0.0779	0.59	\$0.00	\$50.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
			Room Air Conditioner Recycling	4.0	313	0.6390	0.59	\$0.00	\$31.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
	Energy Efficient Products Program	Appliances	Clothes Washer	11.0	143	0.0146	0.32	\$250.00	\$94.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM	
			Dishwasher	12.0	152	0.0097	0.32	\$45.00	\$13.00	\$0.00	2012 PA TRM	Ohio TRM	
			Refrigerator	12.0	113	0.0129	0.32	\$104.00	\$63.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM	
			Freezer	12.0	73	0.0084	0.32	\$104.00	\$31.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM	
			Pool Pump Motor	10.0	525	0.2776	0.32	\$29.00	\$63.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM	
			Smart Strip	5.0	182	0.0129	0.32	\$21.00	\$13.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM	
		Consumer Electronics	Television	15.0	249	0.0380	0.32	\$1.00	\$19.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
			EE Office Equipment	5.0	175	0.0236	0.32	\$1.00	\$25.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
		HVAC & Water Heating	Central Air Conditioner	Central Air Conditioner	14.0	140	0.1167	0.32	\$357.00	\$150.00	\$0.00	2012 PA TRM	2008 DEER
				Furnace Fan	15.0	480	0.1222	0.32	\$700.00	\$100.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM
				Ground Source Heat Pump	15.0	2,512	0.0633	0.32	\$10,000.00	\$600.00	\$0.00	2012 PA TRM	Company Assumption
				Heat Pump	12.0	581	0.1167	0.32	\$411.00	\$313.00	\$0.00	2012 PA TRM	2008 DEER
				HVAC Maintenance	5.0	291	0.2602	0.32	\$85.00	\$60.00	\$0.00	2012 PA TRM	Historic Actuals
			Ductless Mini-Split	Room Air Conditioner	9.0	29	0.0635	0.32	\$60.00	\$31.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM
				Whole House Fan	15.0	228	0.0922	0.32	\$400.00	\$125.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant
				Ductless Mini-Split	15.0	145	0.2021	0.32	\$200.00	\$375.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant
	Efficient Water Heater			12.2	959	0.0221	0.32	\$35.06	\$245.00	\$0.00	2012 PA TRM	2008 DEER & Ohio TRM	
	Energy Efficient Lighting Products			5.8	28	0.0123	0.32	\$2.47	\$1.00	\$0.00	2012 PA TRM	2008 DEER	
	Lighting	Torchere Floor Lamp	10.0	97	0.0043	0.32	\$5.00	\$10.00	\$0.00	2012 PA TRM	2008 DEER		
		LED Holiday Lighting	10.0	11	0.0000	0.32	\$4.86	\$4.00	\$0.00	2012 PA TRM	Company Assumption		
	Home Performance Program	Audits	On-Line Audit	6.9	71	0.0096	0.32	\$42.82	\$54.00	\$0.00	2012 PA TRM	Historic Actuals	
			Audit	10.5	672	0.0089	0.65	\$554.40	\$375.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
		Behavioral	Energy Usage Reports	1.0	77	0.0233	1.00	\$0.00	\$0.00	\$0.00	Company Assumption	N/A	
		Kits	Energy Efficiency Measures	1.0	77	0.0187	0.81	\$42.82	\$54.00	\$0.00	2012 PA TRM	Historic Actuals	
		New Homes	New Construction	1.0	77	0.4322	0.80	\$2,249.00	\$750.00	\$0.00	Historic Actuals	Historic Actuals	
	Residential Low-Income	Low Income Program	Home Performance	Appliance Replacement	7.0	1,176	0.1458	0.65	\$0.00	\$0.00	\$0.00	2012 PA TRM	No Upfront Cost to Customer
				Audit - Multifamily	10.5	672	0.2089	0.65	\$554.40	\$0.00	\$0.00	2012 PA TRM	No Upfront Cost to Customer
			Human Services	Comprehensive	1.0	77	0.5857	1.00	\$0.00	\$0.00	\$0.00	Historic Actuals	No Upfront Cost to Customer
				Extra Measures	1.0	77	0.0190	1.00	\$0.00	\$0.00	\$0.00	Historic Actuals	No Upfront Cost to Customer
Energy Efficiency Measures - Low Income				1.0	77	0.0141	0.65	\$0.00	\$0.00	\$0.00	2012 PA TRM	No Upfront Cost to Customer	

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Appendix D-2: Measure Assumptions

Met-Ed														
Sector	Program	Sub Program	Measure	Measure Life	Verified kWh Savings	Verified kW Savings	NTG	Incremental Cost	Modeled Rebate	O&M Benefit	Source of Savings	Source of Incremental Cost		
Residential	Appliance Turn-In Program	Appliance Turn-In	Freezer Recycling	8.0	863	0.1099	0.59	\$0.00	\$50.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant		
			Refrigerator Recycling	8.0	629	0.0779	0.59	\$0.00	\$50.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant		
			Room Air Conditioner Recycling	4.0	313	0.6390	0.59	\$0.00	\$31.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant		
	Energy Efficient Products Program	Appliances	Clothes Washer	11.0	143	0.0146	0.32	\$250.00	\$92.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM		
			Dishwasher	12.0	152	0.0097	0.32	\$45.00	\$11.00	\$0.00	2012 PA TRM	Ohio TRM		
			Refrigerator	13.0	113	0.0129	0.32	\$104.00	\$61.90	\$0.00	2012 PA TRM	Mid-Atlantic TRM		
			Freezer	12.0	73	0.0084	0.32	\$104.00	\$29.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM		
			Pool Pump Motor	10.0	526	0.2776	0.32	\$290.00	\$63.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM		
			Consumer Electronics	Smart Strip	5.0	182	0.0129	0.32	\$21.00	\$13.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM	
				Television	15.0	249	0.0380	0.32	\$1.00	\$10.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM	
				EE Office Equipment	5.0	175	0.0236	0.32	\$1.00	\$25.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
			HVAC & Water Heating	Central Air Conditioner	Furnace Fan	15.0	480	0.1228	0.32	\$200.00	\$100.00	\$0.00	2012 PA TRM	2008 DEER
					Ground Source Heat Pump	15.0	2,512	0.0819	0.32	\$10,000.00	\$600.00	\$0.00	2012 PA TRM	Company Assumptior
					Heat Pump	12.0	501	0.1167	0.32	\$411.00	\$313.00	\$0.00	2012 PA TRM	2008 DEER
					HVAC Maintenance	5.0	291	0.2602	0.32	\$85.00	\$60.00	\$0.00	2012 PA TRM	Historic Actuals
		Room Air Conditioner			9.0	29	0.0635	0.32	\$60.00	\$29.00	\$0.00	2012 PA TRM	Mid-Atlantic TRM	
		Whole House Fan			15.0	228	0.0000	0.32	\$400.00	\$125.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
		Ductless Mini-Split		Efficient Water Heater	15.0	145	0.2070	0.32	\$1,200.00	\$375.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
				Lighting	12.2	959	0.0879	0.32	\$635.06	\$245.00	\$0.00	2012 PA TRM	2008 DEER & Ohio TRM	
				Energy Efficient Lighting Products	6.8	28	0.0013	0.32	\$2.47	\$1.00	\$0.00	2012 PA TRM	2008 DEER	
				Yorchere Floor Lamp	10.0	97	0.0048	0.32	\$5.00	\$10.00	\$0.00	2012 PA TRM	2008 DEER	
				LED Holiday Lighting	10.0	11	0.0000	0.32	\$4.86	\$4.00	\$0.00	2012 PA TRM	Company Assumptior	
				Home Performance Program	Audits	On-Line Audit	6.9	407	0.0196	0.65	\$42.82	\$54.00	\$0.00	2012 PA TRM
		Audit	10.5			672	0.2089	0.65	\$554.40	\$375.00	\$0.00	2012 PA TRM	Energy Efficiency Consultant	
		Behavioral	Energy Usage Reports		1.0	177	0.0206	1.00	\$0.00	\$0.00	\$0.00	Company Assumptior	N/A	
		Kits	Energy Efficiency Measures	6.9	347	0.0167	0.81	\$42.82	\$54.00	\$0.00	2012 PA TRM	Historic Actuals		
			New Homes	New Construction	15.0	1,552	0.4312	0.80	\$2,249.00	\$750.00	\$0.00	Historic Actuals	Historic Actuals	
		Residential Low-Income	Low Income Program	Home Performance	Appliance Replacement	7.0	1,176	0.1458	0.65	\$0.00	\$0.00	\$0.00	2012 PA TRM	No Upfront Cost to Customer
					Audit - Multifamily	10.5	672	0.2089	0.65	\$554.40	\$0.00	\$0.00	2012 PA TRM	No Upfront Cost to Customer
				Human Services	Comprehensive	8.0	1,577	0.5857	1.00	\$0.00	\$0.00	\$0.00	Historic Actuals	No Upfront Cost to Customer
	Extra Measures				8.0	275	0.0190	1.00	\$0.00	\$0.00	\$0.00	Historic Actuals	No Upfront Cost to Customer	
	Energy Efficiency Measures - Low Income				6.6	308	0.0141	0.65	\$0.00	\$0.00	\$0.00	2012 PA TRM	No Upfront Cost to Customer	

Appendix D-3: Number of Units
 o Program Year is June 1 - May 31

Program Name	Sub Program	Measure Name	2013 Units	2014 Units	2015 Units	
Appliance Turn-In Program	Appliance Turn-In	Refrigerator Recycling	6,000	6,000	6,000	
		Freezer Recycling	1,000	1,000	1,000	
		Room Air Conditioner Recycling	500	500	500	
Home Performance Program	Audits	On-Line Audit	10,000	7,500	5,000	
		Audit	275	275	275	
	Behavioral	Energy Usage Reports	227,750	227,750	227,750	
	Kits	Energy Efficiency Measures	51,000	51,000	51,000	
	New Homes	New Construction	350	350	350	
Energy Efficient Products Program	Appliances	Clothes Washer	4,791	4,791	4,791	
		Dehumidifier	871	871	871	
		Refrigerator	4,355	4,355	4,355	
		Freezer	653	653	653	
		Pool Pump Motor	200	200	200	
	Consumer Electronics	Smart Strip	400	800	1,200	
		Television	1,600	1,700	1,900	
	HVAC & Water Heating	EE Office Equipment	EE Office Equipment	3,000	3,500	4,000
			HVAC Maintenance	3,018	3,018	3,018
			Central Air Conditioning	400	485	500
			Ground Source Heat Pump	100	100	100
			Whole House Fan	100	150	200
			Room Air Conditioner	1,700	1,700	1,700
			Furnace	400	600	800
			Heat Pump	200	150	100
			Ductless Mini Split	400	600	765
			Efficient Water Heater	650	650	650
	Lighting	Energy Efficient Lighting Products	Energy Efficient Lighting Products	626,000	626,000	626,000
			Torque Floor Lamp	40	40	40
LED Holiday Lighting			2,100	2,100	2,100	
Low Income Program	Home Performance	Appliance Replacement	55	55	55	
		Audit Multifamily	132	132	132	
	Human Services	Comprehensive	358	358	358	
		Extra Measures	706	706	706	
		Energy Efficiency Measures - Low Income	8,610	-	4,306	

Appendix D-3: Number of Units

o Program Year is June 1 - May 31

		Met-Ed			
Program Name	Sub Program	Measure Name:	2013 Units	2014 Units	2015 Units
Appliance Turn-In Program	Appliance Turn-In	Refrigerator Recycling	6,000	6,000	6,000
		Freezer Recycling	1,000	1,000	1,000
		Room Air Conditioner Recycling	500	500	500
Home Performance Program	Audits	On-Line Audit	10,000	7,500	5,000
		Audit	275	275	275
	Behavioral	Energy Usage Reports	226,150	226,150	226,150
	Kits	Energy Efficiency Measures	51,000	50,300	50,000
	New Homes	New Construction	350	350	350
Energy Efficient Products Program	Appliances	Clothes Washer	4,791	4,791	4,791
		Dehumidifier	871	871	871
		Refrigerator	4,355	4,355	4,355
		Freezer	653	653	653
		Pool Pump Motor	200	200	200
	Consumer Electronics	Smart Strip	400	800	1,200
		Television	1,600	1,700	1,900
		EE Office Equipment	3,000	3,500	4,000
	HVAC & Water Heating	HVAC Maintenance	3,018	3,018	3,018
		Central Air Conditioner	400	485	500
		Ground Source Heat Pump	100	100	100
		Whole House Fan	100	150	200
		Room Air Conditioner	1,700	1,700	1,700
		Furnace Fan	400	600	800
		Heat Pump	200	150	100
		Ductless Mini-Split	400	600	765
	Lighting	Efficient Water Heater	650	650	650
		Energy Efficient Lighting Products	626,000	626,000	626,000
		Torchiere Floor Lamp	40	40	40
	Low Income Program	Home Performance	LED Holiday Lighting	2,100	2,100
Appliance Replacement			55	55	55
Human Services		Audit - Multifamily	132	132	132
		Comprehensive	505	505	505
		Extra Measures	6,206	6,206	6,206
	Energy Efficiency Measures - Low Income	8,930	-	4,626	

* Includes Low Income

Appendix D-4: Calculation Methods and Assumptions - Rebate Strategy

Program	Measure Name	Eligibility / Description	Rebate Strategy
Governmental & Institutional Program	Air Conditioning - Non Profit	Replacement or new installation of a Single Package or Split System AC, (unitary air, water or evaporatively cooled) exceeding IECC 2006 Table 503.2.3 (1)	Up to \$75 / Ton
	Heat Pump - Non Profit	Replacement or new installation of a Single Package or Split System HP, (unitary air, water or evaporatively cooled) exceeding IECC 2006 Table 503.2.3 (1)	Up to \$75 / Ton
	Ground Source Heat Pump - Non Profit	Replacement or new Ground Water & Source Heat Pumps < 135kBtuH, meeting CEE Tier 1 of ≥ 15.5 EER Cool & ≥ 3.5 COP Heat	Up to \$75 / Ton
	PTAC - Non Profit	Replacement or new installation of units meeting CEE Tier 1 of ≥ 11.6 EER Cool	Up to \$150 per Unit
	PTHP - Non Profit	Replacement or new installation of units meeting CEE Tier 1 of ≥ 11.2 EER Cool & ≥ 3.5 COP Heat	Up to \$150 per Unit
	Room Air Conditioner - Non Profit	Purchase and installation of Energy Star (≥ 9.4 EER) or CEE/ASHRAE Tier 1 (≥ 9.8 EER) qualifying units	Up to \$45 per Unit
	Efficient Water Heater - Non Profit	Replacement of existing electric storage tank type unit heated by Resistive Elec. w/ EF $> .93$, HP w/ EF > 2.0 & Solar w/ EF > 1.84	Solar = Up to \$500 Heat Pump = Up to \$300 EE Resistive = Up to \$125
	Refrigerator Recycling - Non Profit	Removal of an existing inefficient unit generally older than 10 years from service prior to end of useful life thru recycling	Up to \$50 per Unit
	Freezer Recycling - Non Profit	Removal of an existing inefficient unit generally older than 10 years from service prior to end of useful life thru recycling	Up to \$50 per Unit
	Room Air Conditioner Recycling - Non Profit	Removal of an existing inefficient unit from service prior to end of useful life thru recycling	Up to \$50 per Unit
	Refrigerator - Non Profit	Purchase and installation of a new unit meeting either Energy Star or CEE Tier 2, $> 20\%$ or $> 25\%$ respectively lower energy consumption than the federal standard.	Up to \$78 per Unit
	Freezer - Non Profit	Purchase and installation of a new unit meeting either Energy Star or CEE Tier 2, $> 20\%$ or $> 25\%$ respectively lower energy consumption than the federal standard.	Up to \$78 per Unit
	EE Office Equipment - Non Profit	Purchase and installation of Energy Star qualifying units	N/A
	Audit - Multifamily - Govt	Home Audit w/ direct install measures. Also provides incentive for comprehensive measures including but not limited to: Windows, Duct Sealing, and Wall & Attic Insulation, etc., Eligible to customers w/ electric water heating, and/or central electric HVAC systems.	Audit = \$250 - Recommendations up to \$.11/kWh
Energy Efficiency Measures - Multifamily - Govt	Opt In Kit with energy efficiency measures including but not limited to: CFLs, Night Lights etc. mailed at customers request. Adoption of an energy efficiency school curriculum provided by teachers or districts which encourages efficient practices & installation of efficiency measures at home.	Up to \$100 in EE Measures	

Appendix D-4: Calculation Methods and Assumptions - Rebate Strategy

Program	Measure Name	Eligibility / Description	Rebate Strategy
Governmental & Institutional Program	Air Conditioning - Non Profit	Replacement or new installation of a Single Package or Split System AC, (unitary air, water or evaporatively cooled) exceeding IECC 2006 Table 503.2.3 (1)	Up to \$75 / Ton
	Heat Pump - Non Profit	Replacement or new installation of a Single Package or Split System HP, (unitary air, water or evaporatively cooled) exceeding IECC 2006 Table 503.2.3 (1)	Up to \$75 / Ton
	Ground Source Heat Pump - Non Profit	Replacement or new Ground Water & Source Heat Pumps < 135kBtuH, meeting CEE Tier 1 of >=15.5EER Cool & >=3.5 COP Heat	Up to \$75 / Ton
	PTAC - Non Profit	Replacement or new installation of units meeting CEE Tier 1 of >=11.6 EER Cool	Up to \$150 per Unit
	PTHP - Non Profit	Replacement or new installation of units meeting CEE Tier1 of >=11.2 Cool & >=3.4 COP Heat	Up to \$150 per Unit
	Room Air Conditioner - Non Profit	Purchase and installation of Energy Star (>=9.4 EER) or CEE SHEA Tier 1 (>=9.8 EER) qualifying units	Up to \$45 per Unit
	Efficient Water Heater - Non Profit	Replacement of existing electric storage tank type units heated by Resistive Elec. w/ EF >.93, HP w/ EF >2.0 & Solar w/ EF >1.84	Solar = Up to \$500 Heat Pump = Up to \$300 EE Resistive = Up to \$125
	Refrigerator Recycling - Non Profit	Removal of an existing inefficient unit generally older than 10 years from service prior to end of useful life thru recycling	Up to \$50 per Unit
	Freezer Recycling - Non Profit	Removal of an existing inefficient unit generally older than 10 years from service prior to end of useful life thru recycling	Up to \$50 per Unit
	Room Air Conditioner Recycling - Non Profit	Removal of an existing inefficient unit from service prior to end of useful life thru recycling	Up to \$50 per Unit
	Refrigerator - Non Profit	Purchase and installation of a new unit meeting either Energy Star or CEE Tier 2, >=20% or >=25% respectively lower energy consumption than the federal standard.	Up to \$78 per Unit
	Freezer - Non Profit	Purchase and installation of a new unit meeting either Energy Star or CEE Tier 2, >=20% or >=25% respectively lower energy consumption than the federal standard.	Up to \$78 per Unit
	EE Office Equipment - Non Profit	Purchase and installation of Energy Star qualifying units	N/A
	Audit - Multifamily - Govt	In-Home Audit w/ direct install measures. Also provides incentive for comprehensive measures including but not limited to: Windows, Duct Sealing, and Wall & Attic Insulation, etc., Eligible to customers w/ electric water heating, and/or central electric HVAC systems.	Audit = \$250 + Recommendations up to \$.11/kWh
	Energy Efficiency Measures - Multifamily - Govt	Opt In Kit with energy efficiency measures including but not limited to: CFLs, Night Lights etc. mailed at customers request. Adoption of an energy efficiency school curriculum provided by teachers or districts which encourages efficient practices & installation of efficiency measures at home.	Up to \$100 in EE Measures
Custom - Non Profit	Replacement or retrofit of existing equipment with greater efficient equipment or process changes, including motors.	Same as applicable measure in Small / Large C&I	

**Appendix E:
PUC Tables 1 - 7**

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Appendix E

Table 1: Portfolio Summary of Lifetime Costs and Benefits

Met-Ed					
Portfolio Summary of Lifetime Costs and Benefits					
Portfolio	Discount Rate	Total Discounted Lifetime Costs (\$000)	Total Discounted Lifetime Benefits (\$000)	Total Discounted Net Lifetime Benefits (\$000)	Cost-Benefit Ratio (TRC)
Residential (exclusive of Low-Income)	7.52%	29,439,330	40,591,353	11,152,026	1.4
Residential Low-Income	7.52%	7,086,576	2,281,118	(4,805,458)	0.3
Commercial/Industrial Small	7.52%	27,729,990	34,844,891	13,071,902	1.6
Commercial/Industrial Large	7.52%	26,657,435	47,514,495	20,857,060	1.8
Governmental/Educational/Non-Profit	7.52%	918,737	1,052,947	134,210	1.1
Total	7.52%	85,875,067	126,284,807	40,409,740	1.5
1. This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further redlined consistent with Commission requirements for changes to the plans.					

Appendix E

Table 1: Portfolio Summary of Lifetime Costs and Benefits

Met-Ed					
Portfolio Summary of Lifetime Costs and Benefits					
Portfolio	Discount Rate	Total Discounted Lifetime Costs (\$000)	Total Discounted Lifetime Benefits (\$000)	Total Discounted Net Lifetime Benefits (\$000)	Cost- Benefit Ratio (TRC)
Residential (exclusive of Low-Income)	7.52%	29,329,029	40,362,271	11,033,243	1.4
Residential Low- Income ¹	7.52%	7,276,280	2,596,608	(4,679,672)	0.4
Commercial/ Industrial Small	7.52%	21,772,990	34,844,891	13,071,902	1.6
Commercial/ Industrial Large	7.52%	26,657,435	47,514,495	20,857,060	1.8
Governmental/ Educational/ Non-Profit	7.52%	918,737	1,052,947	134,210	1.1
Total	7.52%	85,954,471	126,371,213	40,416,742	1.5

1. Includes Human Services and Home Performance Sub-Programs

Appendix E

Table 2: Summary of Portfolio Energy and Demand Savings

o Program Year is June 1 - May 31

Met-Ed Summary of Portfolio Energy and Demand Savings								
MWh and kW Saved for Consumption Reductions	Program Year 2013		Program Year 2014		Program Year 2015		Total	
	MWh Saved	kW Saved	MWh Saved	kW Saved	MWh Saved	kW Saved	MWh Saved	kW Saved
Baseline ¹	14,865,036		14,865,036		14,865,036		14,865,036	
Residential Sector (exclusive of Low- Income) - Cumulative Projected Portfolio Savings ²	82,462	6,328	128,469	8,486	173,865	10,639	173,865	10,639
Residential Low-Income Sector - Cumulative Projected Portfolio Savings ^{2 4}	10,704	928	14,183	1,253	18,902	1,615	18,902	1,615
Commercial/Industrial Small Sector - Cumulative Projected Portfolio Savings ²	18,784	2,302	41,889	4,511	64,885	7,582	64,885	7,582
Commercial/Industrial Large Sector - Cumulative Projected Portfolio Savings ²	17,471	2,425	34,990	4,853	52,297	7,245	52,297	7,245
Governmental/Educational/Non-Profit Sector - Cumulative Projected Portfolio Savings ^{2 5}	12,173	1,271	26,444	2,721	41,502	4,169	41,502	4,169
EE&C Plan Total - Cumulative Projected Savings	141,593	13,254	246,376	22,264	351,451	31,250	351,451	31,250
Estimated Phase I Carryover Savings								
Total Cumulative Projected Savings Phase II + Estimated Phase I Carryover Savings	141,593	13,254	246,376	22,264	351,451	31,250	351,451	31,250
EE&C Plan Total - Percentage of Target to be Met	42%		73%		104%		104%	
Percent Reduction From Baseline	100%		1.7%		2.4%		2.4%	
Commission Identified Goal					337,753		337,753	
Percent Savings Due to Portfolio Above or Below Commission Goal	17%		23%		4%		4%	

¹ As defined in the August 2, 2012 Implementation Order. Docket No. M-2012-2289411.

² Adjusted for weather and extraordinary load as applicable.

³ The August 2, 2012 Implementation Order directed that at least 25% of an EDC's target amount in each program year.

⁴ Includes Low Income participation allocated to Low Income sector from Residential Sector

⁵ Includes Multi Family participation allocated to Government sector from Small/Large C&I sector

⁶ This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further redlined consistent with Commission requirements for changes to the plans.

Appendix E

Table 2: Summary of Portfolio Energy and Demand Savings

o Program Year is June 1 - May 31

Met-Ed Summary of Portfolio Energy and Demand Savings								
MWh and kW Saved for Consumption Reductions	Program Year 2013		Program Year 2014		Program Year 2015		Total	
	MWh Saved	kW Saved	MWh Saved	kW Saved	MWh Saved	kW Saved	MWh Saved	kW Saved
Baseline ¹	14,865,036		14,865,036		14,865,036		14,865,036	
Residential Sector (exclusive of Low- Income) - Cumulative Projected Portfolio Savings ²	82,210	6,299	127,975	8,447	173,023	10,587	173,023	10,587
Residential Low-Income Sector - Cumulative Projected Portfolio Savings ^{2 4}	10,816	1,117	14,342	1,634	19,204	2,189	19,204	2,189
Commercial/Industrial Small Sector - Cumulative Projected Portfolio Savings ²	18,784	2,302	41,889	4,951	64,885	7,582	64,885	7,582
Commercial/Industrial Large Sector - Cumulative Projected Portfolio Savings ²	17,471	2,425	34,990	4,853	52,297	7,245	52,297	7,245
Governmental/Educational/Non-Profit Sector - Cumulative Projected Portfolio Savings ^{2 5}	12,173	1,271	26,844	2,721	41,502	4,169	41,502	4,169
EE&C Plan Total - Cumulative Projected Savings	141,454	13,415	246,039	22,606	350,911	31,772	350,911	31,772
Estimated Phase I Carryover Savings								
Total Cumulative Projected Savings Phase II + Estimated Phase I Carryover Savings	141,454	13,415	246,039	22,606	350,911	31,772	350,911	31,772
EE&C Plan Total - Percentage of Target to be Met ¹	42%		73%		104%		104%	
Percent Reduction From Baseline	1.0%		1.7%		2.4%		2.4%	
Commission Identified Goal					337,753		337,753	
Percent Savings Due to Portfolio Above or Below Commission Goal	17%		23%		4%		4%	

¹ As defined in the August 2, 2012 Implementation Order, Docket No. M-2012-2289411.

² Adjusted for weather and extraordinary load as applicable.

³ The August 2, 2012 Implementation Order directed that at least 25% of an EDC's target amount in each program year.

⁴ Includes Low Income participation allocated to Low Income sector from Residential Sector and targeted Energy Usage Reports

⁵ Includes Multi Family participation allocated to Government sector from Small/Large C&I sector

Appendix E

Table 3: Summary of Portfolio Costs

o Program Year is June 1 - May 31

Met-Ed Summary of Portfolio Costs						
	Program Year 2013		Program Year 2014		Program Year 2015	
	Portfolio Budget (\$)	% of Portfolio Budget	Portfolio Budget (\$)	% of Portfolio Budget	Portfolio Budget (\$)	% of Portfolio Budget
Residential Portfolio (exclusive of Low-Income) Annual Budget	12,133,320	50%	12,528,210	51%	12,602,231	49%
Residential Low-Income Portfolio Annual Budget	2,727,389	11%	1,952,336	8%	2,786,606	11%
Commercial/Industrial Small Portfolio Annual Budget	4,588,829	19%	5,043,170	21%	5,086,519	20%
Commercial/Industrial Large Portfolio Annual Budget	4,595,671	19%	4,616,037	19%	4,636,946	18%
Governmental/Educational/Non-Profit Portfolio Annual Budget	429,891	2%	433,630	2%	437,603	2%
Total Portfolio Annual Budget	24,475,078	100%	24,573,384	100%	25,549,906	100%
<p>¹ This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further redlined consistent with Commission requirements for changes to the plans. The Company will pursue program enhancements through the applicable process if necessary.</p>						

Appendix E

Table 3: Summary of Portfolio Costs

o Program Year is June 1 - May 31

Met-Ed						
Summary of Portfolio Costs						
	Program Year 2013		Program Year 2014		Program Year 2015	
	Portfolio Budget (\$)	% of Portfolio Budget	Portfolio Budget (\$)	% of Portfolio Budget	Portfolio Budget (\$)	% of Portfolio Budget
Residential Portfolio (exclusive of Low-Income) Annual Budget	12,094,798	49%	12,442,636	51%	12,497,011	49%
Residential Low-Income Portfolio Annual Budget ¹	2,799,105	11%	2,009,568	8%	2,861,470	11%
Commercial/Industrial Small Portfolio Annual Budget	4,588,808	19%	5,043,170	21%	5,086,519	20%
Commercial/Industrial Large Portfolio Annual Budget	4,595,671	19%	4,616,037	19%	4,636,946	18%
Governmental/Educational/Non-Profit Portfolio Annual Budget	429,891	2%	433,630	2%	437,603	2%
Total Portfolio Annual Budget	24,508,273	100%	24,545,042	100%	25,519,550	100%

1. Includes Human Services and Home Performance Sub-Programs

Appendix E

Table 4: Program Summaries

Met-Ed Program Summaries ¹								
Program Name	Program Market	Program Two Sentence Summary	Program Years Operated	Net Lifetime MWh Savings	Net Peak Demand kW Savings	Percentage of Portfolio MWh savings %	Percentage of Total Lifetime MWh savings %	
Residential Portfolio Programs (exclusive of Low Income)	Appliance Turn-In Program	RES	This program provides rebates to consumers for turning in a working refrigerator, freezer, or room air-conditioner.	4	69,801	10,874	4.1%	2.8%
	Energy Efficient Products Program	RES	This program provides rebates to consumers and financial incentives and support to retailers and manufacturers for self energy efficient products, such as HVAC equipment, appliances, lighting, home electronics and other products.	4	170,958	18,988	19.0%	6.9%
	Home Performance Program	RES	This program provides energy efficiency education and awareness along with measures and incentives for customers to conserve energy in their homes.	4	505,791	38,777	29.8%	20.5%
	Totals for Residential Sector					746,550	68,639	52.9%
Residential Low-Income Sector Programs	Low Income Program	LI RES	This program provides basic to comprehensive whole house measures through direct mail or direct installation, and educates consumers about their home's energy use and ways to save energy to low-income households.	4	40,024	7,158	1.9%	1.6%
	Totals for Low-Income Sector					40,024	7,158	1.9%
¹ This table does not reflect the commitments made through the Joint Agreement because the work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further redlined consistent with Commission requirements for changes to the plans. The Company will pursue program enhancements through the applicable process if necessary.								

Appendix E

Table 4: Program Summaries

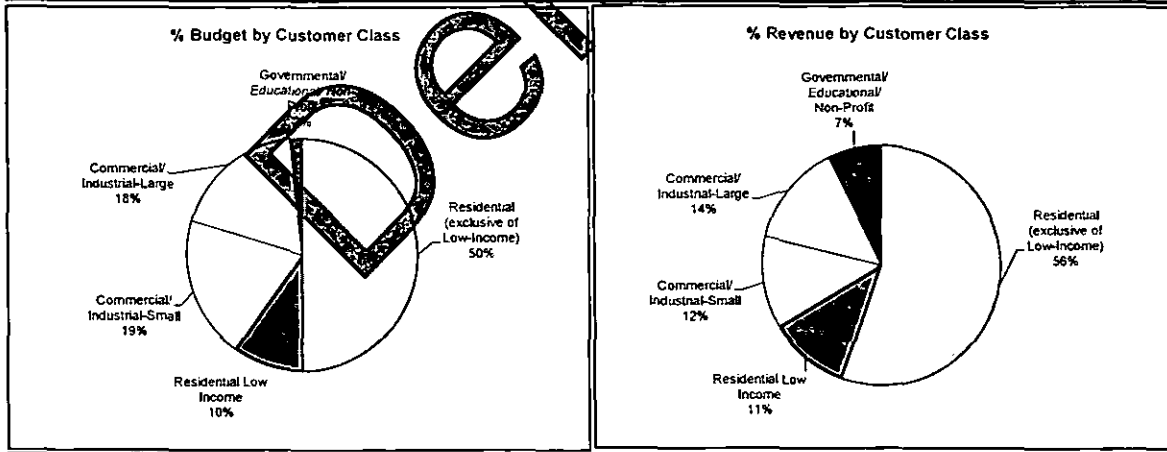
Met-Ed Program Summaries								
Program Name	Program Market	Program Two Sentence Summary	Program Years Operated	Net Lifetime MWh Savings	Net Peak Demand kW Savings	Percentage of Portfolio MWh savings %	Percentage of Total Lifetime MWh savings %	
Residential Portfolio Programs (exclusive of Low Income)	Appliance Turn-In Program	RES	This program provides rebates to consumers for turning in a working refrigerator, freezer, or room air-conditioner.	4	69,801	10,874	4.1%	2.8%
	Energy Efficient Products Program	RES	This program provides rebates to consumers and financial incentives and support to retailers and manufacturers that sell energy efficient products, such as HVAC equipment, appliances, lighting, home electronics and other products.	4	170,958	18,988	19.1%	7.0%
	Home Performance Program	RES	This program provides energy efficiency education and awareness along with measures and incentives for customers to conserve energy in their homes.	4	501,462	38,507	29.6%	20.4%
	Totals for Residential Sector					742,221	68,369	52.8%
Residential Low-Income Sector Programs	Low Income Program ¹	LI RES	This program provides basic to comprehensive whole house measures, through direct mail or direct installation, and educates customers about their home's energy use and ways to save energy to low-income households.	4	42,064	12,008	2.0%	1.7%
	Totals for Low-Income Sector				42,064	12,008	2.0%	1.7%

1. Includes Human Services and Home Performance Sub-Programs

Appendix E

Table 5: Budget and Parity Analysis Summary
o Through Program Year 2015

Met-Ed Budget and Parity Analysis Summary					
Customer Class	Budget (PY 2013-2015)	% of Total EDC Budget	% of Total Budget Excluding Other Expenditures	% of Total Customer Revenue	Difference
Residential (exclusive of Low-Income)	37,263,761	50.0%	50.0%	55.4%	-5.5%
Residential Low Income	7,466,330	10.0%	10.0%	11.1%	-1.1%
Residential Subtotal	44,730,091	60.0%	60.0%	66.5%	-6.6%
Commercial/Industrial-Small	14,718,498	19.7%	19.7%	12.3%	7.4%
Commercial/Industrial-Large	13,848,655	18.6%	18.6%	13.9%	4.6%
C&I Subtotal	28,567,153	38.3%	38.3%	26.2%	12.1%
Governmental/Educational/Non-Profit	1,301,124	1.7%	1.7%	7.2%	-5.5%
Governmental/Educational/Non-Profit Subtotal	1,301,124	1.7%	1.7%	7.2%	-5.5%
Residential/C&I/Governmental/ Educational/Non-Profit Subtotal	74,598,368	100.0%	100.0%	100.0%	
Other Expenditures		0.0%			
Other Expenditures Subtotal		0.0%			
EDC TOTAL	74,598,368	100%	100%	100%	

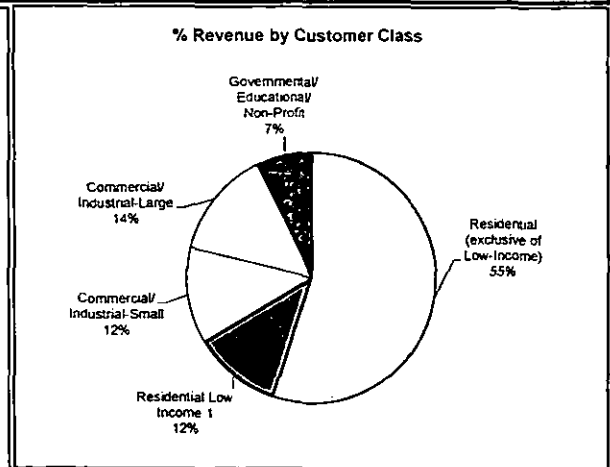
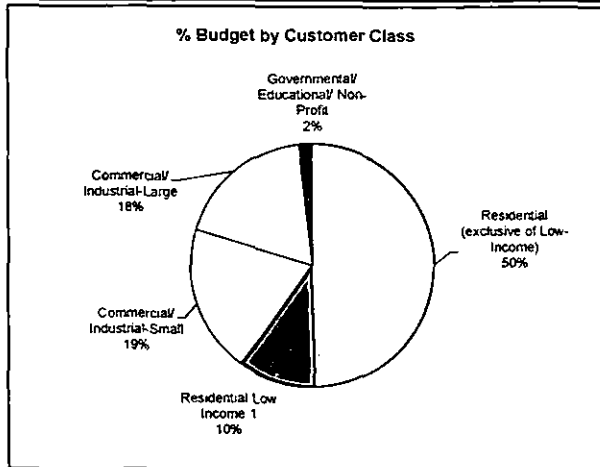


1 This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further redlined consistent with Commission requirements for changes to the plans. The Company will pursue program enhancements through the applicable process if necessary.

Appendix E

Table 5: Budget and Parity Analysis Summary
o Through Program Year 2015

Met-Ed Budget and Parity Analysis Summary					
Customer Class	Budget (PY 2013-2015)	% of Total EDC Budget	% of Total Budget Excluding Other Expenditures	% of Total Customer Revenue	Difference
<i>Residential (exclusive of Low-Income)</i>	37,034,445	49.7%	49.7%	55.1%	-5.5%
Residential Low Income ¹	7,670,144	10.3%	10.3%	11.4%	-1.1%
Residential Subtotal	44,704,589	59.9%	59.9%	66.5%	-6.6%
Commercial/Industrial-Small	14,718,498	19.7%	19.7%	12.3%	7.4%
Commercial/Industrial-Large	13,848,655	18.6%	18.6%	13.9%	4.7%
C&I Subtotal	28,567,153	38.3%	38.3%	26.2%	12.1%
Governmental/Educational/Non-Profit	1,301,124	1.7%	1.7%	7.2%	-5.5%
Governmental/Educational/Non-Profit Subtotal	1,301,124	1.7%	1.7%	7.2%	-5.5%
Residential/C&I/Governmental/ Educational/Non-Profit Subtotal	74,572,866	100.0%	100.0%	100.0%	
Other Expenditures	-	0.0%			
Other Expenditures Subtotal	-	0.0%			
EDC TOTAL	74,572,866	100%	100%	100%	



¹. Includes Human Services and Home Performance Sub-Programs

Appendix E

Table 6A: Portfolio-Specific Assignment of EE&C Costs

Met-Ed Residential Portfolio (excluding Low-Income)			
EE&C Program	Cost Elements (\$)		
	Total Incentives	Operations Costs	Total Budget (2013-2015)
Appliance Turn-In Program	1,096,500	2,752,300	3,848,800
Energy Efficient Products Program	7,162,570	3,536,760	10,699,330
Home Performance Program	10,573,875	11,718,593	21,290,468
Totals	18,832,945	17,007,653	35,838,598

Met-Ed Residential Low-Income Portfolio			
EE&C Program	Cost Elements (\$)		
	Total Incentives	Operations Costs	Total Budget (2013-2015)
Low Income Program	0	6,611,611	6,611,611
Totals	0	6,611,611	6,611,611

1 This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further redlined consistent with Commission requirements for changes to the plans. The Company will pursue program enhancements through the applicable process if necessary.

Appendix E

Table 6A: Portfolio-Specific Assignment of EE&C Costs

Met-Ed Residential Portfolio (excluding Low-Income)			
EE&C Program	Cost Elements (\$)		
	<i>Total Incentives</i>	<i>Operations Costs</i>	<i>Total Budget (2013-2015)</i>
Appliance Turn-In Program	1,096,500	2,752,300	3,848,800
Energy Efficient Products Program	7,088,350	3,536,760	10,625,110
Home Performance Program	10,482,075	10,653,297	21,135,372
Totals	18,666,925	16,942,357	35,609,282

Met-Ed Residential Low-Income Portfolio			
EE&C Program	Cost Elements (\$)		
	<i>Total Incentives</i>	<i>Operations Costs</i>	<i>Total Budget (2013-2015)</i>
Low Income Program ¹	0	6,815,424	6,815,424
Totals	0	6,815,424	6,815,424

1. Includes Human Services and Home Performance Sub-Programs

Appendix E

Table 6C: Summary of Portfolio EE&C Costs

Met-Ed	Total Sector Portfolio-specific Costs	Total Common Costs	Total of All Costs
Residential (including Low-Income)	\$42,450,209	\$2,279,882	\$44,730,091
Commercial/ Industrial-Small	\$14,271,055	\$27,443	\$14,718,498
Commercial/ Industrial-Large	\$13,597,744	\$250,911	\$13,848,655
Governmental/Educational/ Non-Profit	\$1,258,709	\$47,327	\$1,301,124
Totals	\$71,572,806	\$3,025,562	\$74,598,368

Appendix E

Table 6C: Summary of Portfolio EE&C Costs

Met-Ed	Total Sector Portfolio-specific Costs	Total Common Costs	Total of All Costs
Residential (including Low-Income)	\$42,424,707	\$2,279,882	\$44,704,589
Commercial/ Industrial-Small	\$14,271,055	\$447,443	\$14,718,498
Commercial/ Industrial-Large	\$13,597,744	\$250,911	\$13,848,655
Governmental/Educational/ Non-Profit	\$1,253,798	\$47,327	\$1,301,124
Totals	\$71,547,303	\$3,025,562	\$74,572,866

Appendix E

Table 7A: TRC Benefits Table

o Program Year is June 1 - May 31

Residential Portfolio (exclusive of Low-Income)		Met-Ed											
Program Per Year (\$000)		Program Costs (\$000)		Program Benefits (\$000)		Capacity Annual Gen/T&D		Energy Annual		Load Reductions in kW		MWh Saved	
Program	Year	TRC			Benefits		Benefits	On/Off Peak	Annual	Lifetime	Annual	Lifetime	
Appliance Turn-In Program	2013		979	220	49,834	See footnote 1	169,987	See footnote 2	525		4,790		
	2014		991	412	60,801		350,837		1,049		9,580		
	2015		1,005	658	109,834		548,233		1,574		14,370		
	Total	1.4	2,770	3,862	501,664		3,360,111		10,874		69,801		
Energy Efficient Products Program	2013		2,819	501	70,074		431,339		738		21,997		
	2014		2,971	984	87,176		896,574		1,505		44,300		
	2015		3,104	1,572	160,257		1,505,507		2,297		66,917		
	Total	1.1	8,267	9,106	822,802		2,834,420		18,988		170,958		
Home Performance Program	2013		6,410	4,044	538,439		3,505,507		5,669		62,811		
	2014		6,691	5,065	383,243		2,667,999		6,614		84,293		
	2015		6,669	6,469	525,302		5,940,222		7,528		104,760		
	Total	1.5	18,402	27,623	2,031,811		16,591,503		38,777		505,791		
Total	1.4	29,439	40,591	3,356,278		30,235,078		68,639		746,550			

1: Generation, Transmission and Distribution Capacity costs are combined into a sum of avoided capacity costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided capacity costs cannot be identified by component; therefore, the total avoided capacity costs for Generation, Transmission, and Distribution are displayed here.

2: The on and off peak energy costs are combined in a sum of avoided energy costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided energy costs can not be identified by component; therefore, the total avoided energy costs for on and off peak energy costs are displayed here.

3: This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further refined consistent with Commission requirements for changes to the plans. The Company will pursue program enhancements through the applicable process, if necessary.

Appendix E

Table 7A: TRC Benefits Table

o Program Year is June 1 - May 31

Residential Portfolio (exclusive of Low-Income)		Met-Ed											
Program Per Year (\$000)		Program Costs (\$000)		Program Benefits (\$000)		Capacity Annual Gen/T&D		Energy Annual		Load Reductions in kW		MWh Saved	
Program	Program Year	TRC	Costs	Benefits	Benefits	Gen/T&D	Benefits	On/Off Peak	Annual	Lifetime	Annual	Lifetime	
Appliance Turn-In Program	2013		979	220	49,834	See footnote 1	169,987	See footnote 2	525		4,790		
	2014		991	412	60,801		350,837		1,049		9,580		
	2015		1,005	658	109,834		548,233		1,574		14,370		
	Total	1.4	2,770	3,862	501,664		3,360,111		10,874		69,801		
Energy Efficient Products Program	2013		2,819	501	70,074		431,339		738		21,997		
	2014		2,971	984	87,176		896,574		1,505		44,300		
	2015		3,104	1,572	160,257		1,411,522		2,297		66,917		
	Total	1.1	8,267	9,106	822,802		8,283,464		18,988		170,958		
Home Performance Program	2013		6,396	4,024	535,309		3,488,458		5,636		62,527		
	2014		6,644	5,033	380,783		4,651,934		6,572		83,767		
	2015		6,608	6,415	521,392		5,893,778		7,472		103,886		
	Total	1.5	18,292	27,394	2,017,810		25,376,420		38,507		501,462		
Total		1.4	29,329	40,362	3,342,276		37,019,995		68,369		742,221		

1: Generation, Transmission and Distribution Capacity costs are combined in a sum of avoided capacity costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided capacity costs can not be identified by component; therefore, the total avoided capacity costs for Generation, Transmission, and Distribution are displayed here.

2: The on and off peak energy costs are combined in a sum of avoided energy costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided energy costs can not be identified by component; therefore, the total avoided energy costs for on and off peak energy costs are displayed here.

Appendix E

Table 7B: TRC Benefits Table

o Program Year is June 1 - May 31

Residential Low-Income Portfolio		Met-Ed TRC Benefits By Program Per Year (\$000)										
Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity Annual		Energy Annual		Load Reductions in kW		MWh Saved	
					Benefits	Gen/T&D	Benefits	On/Off Peak	Annual	Lifetime	Annual	Lifetime
Low Income Program	2013		2,775	188	30,830	See footnote 1	157,032	See footnote 2	325		3,568	
	2014		2,000	249	33,074		215,577		571		4,480	
	2015		2,834	397	59,748		336,909		856		6,720	
	<i>Total</i>	0.3	7,087	2,281	320,834		1,960,284			7,158		40,024
Total		0.3	7,087	2,281	320,834		1,960,284			7,158		40,024
<p>1: Generation, Transmission and Distribution Capacity costs are combined in a sum of avoided capacity costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided capacity costs can not be identified by component; therefore, the total avoided capacity costs for Generation, Transmission, and Distribution are displayed here.</p> <p>2: The on and off peak energy costs are combined in a sum of avoided energy costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided energy costs can not be identified by component; therefore, the total avoided energy costs for on and off peak energy costs are displayed here.</p> <p>3: This table does not reflect the commitments made through the Joint Settlement because further work with interested stakeholders is required before projections can be completed. Upon completion, the plans will be further refined or revised consistent with Commission requirements for changes to the plans. The Company will pursue program enhancements through the applicable process if necessary.</p>												

Deleted

Appendix E

Table 7B: TRC Benefits Table

o Program Year is June 1 - May 31

Residential Low-Income Portfolio		Met-Ed TRC Benefits By Program Per Year (\$000)										
Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity Annual		Energy Annual		Load Reductions in kW		MWh Saved	
					Benefits	Gen/T&D	Benefits	On/Off Peak	Annual	Lifetime	Annual	Lifetime
Low Income Program ¹	2013		2,847	213	49,210	See footnote 1	163,682	See footnote 2	518		3,712	
	2014		2,057	281	55,331		225,267		955		4,669	
	2015		2,909	454	100,055		354,154		1,434		7,053	
	<i>Total</i>	<i>0.4</i>	<i>7,276</i>	<i>2,597</i>	<i>536,917</i>		<i>2,059,691</i>			<i>12,008</i>		<i>42,064</i>
Total		0.4	7,276	2,597	536,917		2,059,691			12,008		42,064
<p>1: Generation, Transmission and Distribution Capacity costs are combined in a sum of avoided capacity costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided capacity costs can not be identified by component; therefore, the total avoided capacity costs for Generation, Transmission, and Distribution are displayed here.</p> <p>2: The on and off peak energy costs are combined in a sum of avoided energy costs. These costs are then NPV back to the year the measure unit was installed. The combined avoided energy costs can not be identified by component; therefore, the total avoided energy costs for on and off peak energy costs are displayed here.</p> <p>3: Includes Human Services and Home Performance Sub-Programs</p>												

Met Ed - Exhibit B - TRC Impact Assessment

Program	Approved TRC Costs (\$000)	Approved TRC Benefits (\$000)	Approved TRC	Proposed TRC Costs (000)	Proposed TRC Benefit (000)	Proposed TRC
Energy Efficient Products Program	8,267	9,106	1.1	8,267	9,106	1.1
Home Performance Program	18,402	27,623	1.5	18,292	27,394	1.5
Low Income Program	7,087	2,281	0.3	7,276	2,597	0.4
Plan Total	85,875,067	126,284,807	1.5	85,954,471	126,371,213	1.5

Note:

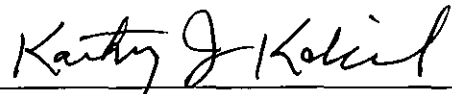
1. TRC Costs, Benefits and Ratio per Appendix E, Table 7A & B, and Appendix E, Table 1

PENNSYLVANIA PUBLIC UTILITY COMMISSION

Metropolitan Edison Company's Request :
for Expedited Approval of Proposed Minor :
Act 129 EE&C Plan Changes Pursuant to : Docket No. M-2012-2334387
the June 10, 2011 Final Order in Docket :
No. M-2008-2069887 :
:
:
:

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true and correct copy of the foregoing document upon the individuals listed below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).



Kathy J. Kofich, Esquire

November 22, 2013

Service via overnight, as follows:

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120

RECEIVED

NOV 22 2013

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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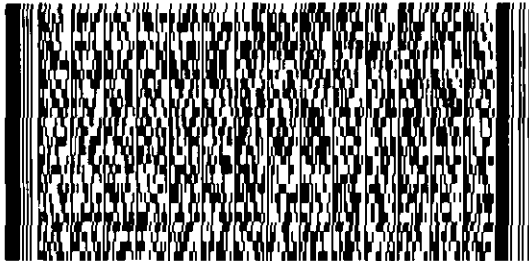
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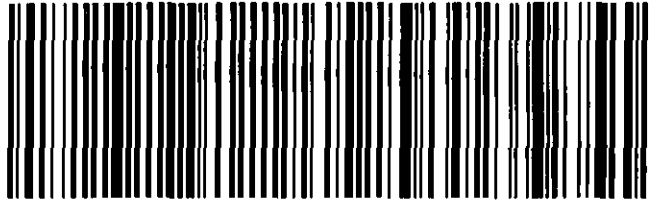
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