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June 1, 2016

Ms. Lisa Clark  
Filing Clerk  
Public Utility Commission of Texas  
1701 N. Congress Avenue  
P.O. Box 13326  
Austin, Texas 78711

**RE: Project No. 45675 – Revision to CenterPoint Energy Houston Electric, LLC's 2016 Energy Plan and Report Pursuant to 16 TAC § 25.181(n)**

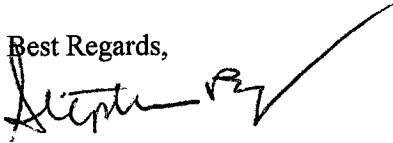
Dear Ms. Clark:

Please find attached a copy of CenterPoint Energy Houston Electric, LLC's ("CEHE") 2016 Revised Energy Plan and Report ("EEPR") that is being filed to replace CEHE's EEPR filed on April 1, 2016. After CEHE's filing April 1<sup>st</sup> it was discovered that various revisions and adjustments were necessary to the EEPR. These revisions are incorporated in the attached document and include:

- In Table 1 (Page 5) the 2016 and 2017 peak demand goals were revised based on changes to actual and weather-adjusted peak demand in Table 4 (Page 36). This also resulted in changes to the MWH goal on Table 1 based on revised calculations on Page 36.
- In Table 2 and pages 13, 14, 15, 17-18, 20-22, 24 and 28-29 non-substantive revisions were made regarding program discussion, program names and grammatical corrections.
- On page 35 the first paragraph was revised to better describe the basis for determining the annual peak load reduction goal.
- In Table 5 (Page 37) and Table 6 (Page 38) the annual budget for 2016 Program Year was revised to match the 2015 EEPR submittal annual budget for the 2016 Program Year.
- Table 8 (Page 40) was revised to adjust both MW and MWH savings based on EMV reviews for the Energy Wise, Residential SOP, Texas Score, Commercial Load Management, Commercial SOP and Data Center energy efficiency programs.
- Table 10 (Page 43) was revised to recognize lower incentive and administrative costs for the 2015 Program Year than submitted with the initial EEPR submittal.
- Page 44 was revised to recognize lower incentive and administrative costs for the 2015 Program Year than submitted with the initial EEPR submittal.
- Table 11 (Page 45) was revised to reflect lower incentive and administrative costs for the 2015 Program Year than submitted with the initial EEPR submittal.
- The over/under recovery calculation was revised to recognize the previously mentioned revisions to the 2015 Program Year costs compared to the costs submitted with the initial EEPR submittal.
- Table 12 (Page 60) and description in Section XVI were revised to recognize lower incentive and administrative costs, adjustments to MW and MWHs, and revisions to estimated useful lives for Program Year 2015.

If you have any questions concerning this filing, please contact me at 713-207-5141 or [Stephen.Bezecny@centerpointenergy.com](mailto:Stephen.Bezecny@centerpointenergy.com).

Best Regards,

A handwritten signature in black ink, appearing to read "Stephen", followed by a large, sweeping checkmark.

Stephen Bezecny  
Director, Electric EE and Business Development.

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**CenterPoint Energy Houston Electric,  
LLC**

**2016 Energy Plan and Report**

**Pursuant to P.U.C. SUBST. R. § 25.181(n)**

**REVISED**

**June 1, 2016**

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**Project No. 45675**

## TABLE OF CONTENTS

Introduction .....	3
EEPR Organization .....	4
Executive Summary .....	5
Energy Efficiency Plan .....	7
I. 2016 Programs .....	7
A. 2016 Portfolio .....	8
B. Existing Programs.....	9
C. New Programs 2016.....	33
D. New Programs 2017.....	33
II. Customer Classes.....	34
III. Energy Efficiency Goals and Projected Savings .....	35
IV. Program Budgets.....	38
Energy Efficiency Report .....	39
V. Historical Demand Savings Goals and Energy Targets for Previous Five Years .....	39
VI. Projected Saving Reported and Verified Demand and Energy Savings .....	40
VII. Historical Program Expenditures .....	42
VIII. Program Funding for Calendar Year 2015 .....	44
IX. Market Transformation Program Results .....	46
X. Research and Development Results .....	53
XI. Administrative Funds Expended .....	55
XII. Current Energy Efficiency Cost Recovery Factor EECRF .....	56
XIII. Revenue Collected Through EECRF .....	57
XIV. Over or Under Recovery of Energy Efficiency Program Costs .....	58
XV. Underserved Counties .....	59
XVI. Performance Bonus Calculation.....	60
Appendix A: Acronyms .....	61
Appendix B: Glossary.....	63
Appendix C: Reported Demand and Energy Reduction by County .....	64

## Introduction

CenterPoint Energy Houston Electric, LLC (CenterPoint Houston) presents this Energy Efficiency Plan and Report (EEPR) to comply with Substantive Rules § 25.181 and § 25.183, which implement Public Utility Regulatory Act (PURA) § 39.905. PURA § 39.905 and Substantive Rule § 25.181 require that each investor-owned electric utility achieve the following savings goal through market-based standard offer programs (SOPs) and limited, targeted, market transformation programs (MTPs):

- 0.4% reduction of the electric utility's peak demand of residential and commercial customers for the 2015, 2016 and 2017 program years.

The format used in the EEPR is consistent with the requirements outlined in § 25.181(n) and the Company's 2015 EEPR filing. The EEPR presents the results of CenterPoint Houston's 2015 energy efficiency programs and describes how the company plans to achieve its goals and meet the requirements set forth in § 25.181. Planning information provided focuses on 2016 and 2017 projected savings and projected budgets, as well as information on programs to be offered, and discusses outreach and informational activities and workshops designed to encourage participation by energy service providers and retail electric providers (REPs).

## **EEPR Organization**

This EEPR consists of an executive summary, sixteen sections, and three appendices.

Sections one through four details the planning section of the EEPR, while sections five through eleven present energy efficiency report information. The final five sections address the Energy Efficiency Cost Recovery Factor (EECRF) and the performance bonus achieved in 2015. The three appendices provide a description of the acronyms used throughout the report, a glossary of commonly used terms, and the demand and energy savings for each program by county.

## Executive Summary

The Energy Efficiency Plan portion of this EEPR details CenterPoint Houston's plans to achieve a 0.4% reduction in its peak demand of residential and commercial customers by December 31, 2016 and another 0.4% reduction in its peak demand of residential and commercial customers by December 31, 2017. The Plan also addresses the corresponding energy savings goal, which is calculated from the demand savings goal using a 20% capacity factor. The goals, budgets, and implementation plans that are included in this EEPR are determined by requirements of Rule § 25.181 and the information gained from prior implementation of the selected programs. Table 1 presents a summary of 2016 and 2017 goals, projected savings, and projected budgets.

**Table 1: Summary of Annual Goals, Projected Savings and Projected Budgets<sup>1</sup>**

	Calendar Year	Normalized Peak Demand	MW Goal	Demand (MW) Goal	Energy (MWh) Goal <sup>2</sup>	Projected MW Savings	Projected MWh Savings <sup>3</sup>	Projected Budget (in 000's)
Annual Goals	2016	14,896	0.4% of peak demand	59.58	104,384	141.23	160,716.9	\$35,396
	2017	15,104	0.4% of peak demand	60.42	105,856	161.77	197,310.1	\$36,844

<sup>1</sup> Peak Demand figures are from Table 4; Projected Savings from Table 5; Projected Budget from Table 6. All MW and MWh figures in this Table and throughout this EEPR are measured at the meter.

<sup>2</sup> Calculated using a 20% capacity factor.

<sup>3</sup> Peak demand reduction and energy savings projections are for the current and following calendar year that CenterPoint Houston is planning and budgeting for in the EEPR. These projected savings reflect estimates based on information gained from prior implementation of the programs.



In order to reach the projected savings presented in Table 1, CenterPoint Houston will implement the following programs:

1. Commercial Standard Offer Program (SOP)
2. Commercial Market Transformation Program (MTP) - SCORE & Healthcare
3. Large Commercial Load Management SOP
4. Retro-Commissioning MTP
5. Sustainable Schools Program
6. REP (Commercial CoolSaver)
7. Smart Pool Pilot Program Commercial
8. Data Center Program Pilot
9. CenterPoint Energy High Efficiency Homes MTP
10. Residential & Small Commercial (SC) SOP
11. Advanced Lighting Residential
12. Residential & SC A/C Distributor MTP
13. REP (Residential CoolSaver, and Efficiency Connection)
14. Residential Demand Response SOP
15. Multi-Family Water & Space Heating MTP (RES)
16. Smart Pool Program Residential
17. Energy Wise Resource Action MTP
18. Hard-to-Reach SOP
19. Multi-Family MTP (HTR)
20. Targeted Low Income MTP (Agencies in Action)
21. REP (CoolSaver Income Qualified)

As detailed in this report, CenterPoint Houston successfully implemented SOPs and MTPs required by PURA § 39.905 that met the statutory energy efficiency savings goal of 0.4% peak demand reduction. CenterPoint Houston's goals for 2015 were 58.83 MW in peak demand reduction and 103,069 MWh in energy savings. Actual achieved reductions in 2015 totaled 168.49 MW and 188,255.21 MWh. Although the total forecasted spending for 2015 was \$39.1 million, actual 2015 spending totaled \$35.83 million. Program manuals for these programs can be found on CenterPoint Houston's sponsor portal <http://centerpoint.anbetrack.com/cnpportal/>.

## **Energy Efficiency Plan**

### **I. 2016 Programs**

#### **A. 2016 Program Portfolio**

CenterPoint Houston plans to implement 21 programs in 2016. These programs target both broad market segments and specific market sub-segments that offer significant opportunities for cost-effective savings. CenterPoint Houston anticipates that targeted outreach to a broad range of service providers will be necessary in order to meet the savings goals required by PURA § 39.905 on a continuing basis. Table 2 lists each program and identifies target markets and applications.

**Table 2: 2016 Energy Efficiency Program Portfolio**

Commercial SOP	Large Commercial	Retrofit; New Construction
Commercial MTP (SCORE & Healthcare)	Large Commercial	Retrofit; New Construction
Large Commercial Load Management SOP	Large Commercial	Load Management
Retro-Commissioning MTP	Large Commercial	Tune-up of existing facilities
Sustainable Schools Program	Large Commercial	Educational
REP (Commercial CoolSaver)	Large Commercial	Retrofit
Smart Pool Pilot Program Commercial	Commercial	Retrofit; New Construction
Data Center Program Pilot	Large Commercial	Retrofit; New Construction
CenterPoint Energy High Efficiency Homes MTP	Residential	New Construction
Residential & SC SOP	Residential & Small Commercial	Retrofit
Advanced Lighting Residential	Residential	Retrofit; New Construction
Residential & SC A/C Distributor MTP	Residential & Small Commercial	Retrofit
REP (Residential CoolSaver & Efficiency Connection)	Residential	Retrofit
Residential Demand Response SOP	Residential	Load Management
Multi-Family Water & Space Heating MTP	Residential	New Construction
Smart Pool Program Residential	Residential	Retrofit; New Construction
Energy Wise Resource Action MTP	Residential	Educational
Hard-to-Reach SOP	Hard-to-Reach	Retrofit
Multi-Family MTP (HTR)	Hard-to-Reach	New Construction
Targeted Low Income MTP (Agencies in Action)	Hard-to-Reach	Retrofit
REP (CoolSaver Income Qualified)	Hard-to-Reach	Retrofit

The programs listed in Table 2 are described further in sub-section B. CenterPoint Houston maintains two energy efficiency websites<sup>4</sup>: one targeted to the end user and one for project sponsors. The energy efficiency sponsor portal contains requirements for project participation and most of the forms required for project submission. These websites are one method of communication used to provide project sponsors with program updates and information.

<sup>4</sup> CenterPoint Houston energy efficiency website is [www.centerpointefficiency.com](http://www.centerpointefficiency.com) ; CenterPoint Houston's sponsor portal is <http://centerpoint.anbetrack.com/cnpportal/>

## **B. Existing Programs**

### **Commercial Standard Offer Program (SOP)**

#### ***Program Design***

The Commercial SOP targets large commercial customers with a minimum demand of 100 kW and small commercial customers with a demand not to exceed 100 kW. Incentives are paid to project sponsors on a first-come, first-served basis for a variety of measures installed in new or retrofit applications, which provide verifiable demand and energy savings. Large commercial customers must save at least 20 kW and/or 120,000 kWh on installed measures, while small commercial customers may save less than 20 kW. Customers may elect to combine multiple sites for one project. These combined projects must produce a minimum of 50kW and/or 300,000 kWh in savings.

#### ***Implementation Process***

CenterPoint Houston will continue implementation of its Commercial SOP whereby any eligible project sponsor may submit an application for qualifying projects. Program information is provided on CenterPoint Houston's website, as well as the project sponsor portal.

#### ***Outreach and Research activities***

CenterPoint Houston markets the availability of this program in the following manner:

- Maintains internet website with program processes on how to register for participation, as well as how to input a viable project, detailed project eligibility, end-use measures, incentives, workbooks to assist with providing incentive estimates, as well as procedures and application forms;
- Utilizes mass e-mail notifications to keep potential project sponsors interested and informed;
- Participates in appropriate industry-related meetings and events to generate awareness and interest;
- Participates in service area-wide outreach activities as may be available; and
- Conduct workshops as necessary to explain elements such as, responsibilities of the project sponsor, project requirements, incentive information, and the application and reporting process.

## **The Commercial Market Transformation Program (MTP)**

### ***Program Design***

The Commercial MTP program includes the SCORE/CitySmart as well as offering services and incentives to the healthcare market in the Healthcare Energy Efficiency Program (HEEP). The program will continue to add commercial markets that experience barriers to participating in energy efficiency programs such as non-profits and faith based organizations.

The SCORE / CitySmart segment of the program targets public and private K-12, higher education, cities, counties, state governmental agencies, non-profit and faith based organizations within the CenterPoint Houston service territory. Direct incentives are paid to the market segments listed above for certain energy efficiency measures installed in new or retrofit applications that provide verifiable demand and energy savings. A third party program implementer provides technical assistance, engineering analysis, and performance benchmarking to program participants in order to help them make decisions about cost effective investments. The SCORE Lite portion of the program provides higher incentives to those school districts that do not require the technical assistance or engineering analysis provided by the implementer.

In 2016, CenterPoint Houston will continue to include the Healthcare Energy Efficiency Program (HEEP) MT sector in the Commercial MTP. The HEEP program provides technical support to participating healthcare providers through a combination of tools and services for participants who complete projects resulting in peak electric demand and energy savings. The program is designed to help healthcare providers identify energy efficiency savings opportunities in existing and newly planned facilities and provide monetary incentives to implement these projects. Participants in the program must meet eligibility criteria, comply with all program rules and procedures, and submit documentation describing their projects. Eligible healthcare facilities include hospitals, doctors' offices, clinics, laboratories, medical office buildings (MOB), and assisted living/nursing care facilities.

### ***Implementation Process***

Commercial Market Transformation Program uses a third party implementer to help eligible participants identify energy efficiency measure upgrades in their facilities. The program pays incentives to participants for approved measures that result in both demand and energy savings.

### ***Outreach and Research Activities***

CenterPoint Houston markets the availability of this program in the following manner:

- Contracts with a third-party program implementer to implement outreach and planning activities ;
- Participates in appropriate industry-related meetings and events to generate awareness and interest;
- Participates in service area-wide outreach activities as may be available; and
- Conducts workshops as necessary to explain elements of program requirements incentive information, application and reporting process.

## **Large Commercial Load Management SOP**

### ***Program Design***

CenterPoint Houston will continue the Large Commercial Load Management SOP program in 2016. The Large Commercial Load Management SOP will be available to non-residential distribution, governmental, educational and non-profit customers. Curtailments will be initiated when the Electric Reliability Council of Texas (ERCOT) declares an EEA2 event or deems that an EEA2 event is imminent. Incentives will be paid to project sponsors for measured and verified kW reductions. Project sponsors must be equipped with a CenterPoint Houston Interval Data Recorder (IDR) meter or Itron smart meter to participate.

### ***Implementation Process***

Implementation of this program will be through customers and third-party entities representing distribution level or other governmental, educational and non-profit customers within the CenterPoint Houston service territory. The 2016 program will initiate up to a maximum of six events totaling 22 hours per year during the summer on peak period (up to a maximum of 2 test curtailments lasting 1 to 3 hours; and up to a maximum of 4 unscheduled events based on ERCOT EEA2 events lasting 1 to 4 hours each).

### ***Outreach and Research Activities***

CenterPoint Houston plans to market the availability of this program in the following manner:

- Maintains program information on the program tracking database.

- Conducts workshops as necessary to explain elements such as responsibilities of the project participant, project requirements, incentive information, and the application and reporting process; and
- Participates in appropriate industry-related meetings and events to generate awareness and interest.

## **Retro-Commissioning MTP (RCx)**

### ***Program Design***

RCx is an optimization program for existing buildings (50,000 square foot and larger) that identifies no-cost or low-cost measures the customer can implement to reduce the demand and energy usage in commercial facilities. The program is designed to provide end-users with a free expert analysis to improve the performance of energy using systems throughout their facilities that will reduce electric demand and consumption. RCx Agents, typically consulting engineering firms, are used to deliver the program to customers.

The preliminary screening phase will be completed by the program implementer using software to evaluate the customer's interval data to identify potential measures before the RCx Agents get involved. RCx Agents will be paid based on the square footage of the project facility and the amount of energy savings at the completion of two phases: investigation phase and verification phase. Facility owners must also implement all of the identified measures with simple payback of less than 1.5 years (up to a \$0.03 per square foot cap) or pay towards the cost of the analysis. Customers will no longer receive project incentives.

### ***Implementation Process***

The program is implemented through a third party implementer. Program information is provided on CenterPoint Houston's website.

### ***Outreach and Research Activities***

CenterPoint Houston markets the availability of this program in the following manner:

- Contracts with a third-party program implementer;
- Maintains internet website with detailed project eligibility, procedures and application forms;

- Participates in appropriate industry-related meetings and events to generate awareness and interest;
- Participates in service area-wide outreach activities as may be available; and
- Conducts workshops as necessary to explain elements such as responsibilities of the project sponsor and RCx Agents, project requirements, incentive information, and the application and reporting process.

## **Sustainable Schools Program**

### ***Program Design***

The Sustainable Schools program is a comprehensive energy education and conservation program that targets physical science high school and middle school students and teachers as well as school district energy managers. In the behavioral portion of the program, Sustainability Teams that include students and faculty will be formed to promote awareness of energy conservation, set goals for reducing the school's energy consumption, and recommend behavioral changes to accomplish the set goals. This will be accomplished by providing energy conservation educational supplements, training teachers and students on the use of energy audit kits, and instructions on monitoring the school's energy consumption. The teachers and students will be responsible for promoting energy conservation awareness throughout the school and monitoring the energy consumption behavior patterns of the students and staff, as well as advocating improvement in those patterns. Students will be expected to prepare an energy audit report of their findings and present the results to school administration. In the operational portion of the program, CenterPoint Energy and its program implementer will meet with participating district energy managers and facilities staff to target no-cost and low-cost measures that will reduce energy consumption.

### ***Implementation Process***

CenterPoint Houston will continue implementation of its Sustainable Schools Program and offer services to execute behavioral and operational measures to any eligible school district who meets program requirements.



### ***Outreach and Research Activities***

CenterPoint Houston markets the availability of this program in the following manner:

- Contracts with a third-party program implementer to implement outreach and planning activities;
- Participates in appropriate industry-related meetings and events to generate awareness and interest;
- Conducts meetings with potential participants to explain program requirements, potential incentives, and education opportunities.

### **Retail Electric Provider MTP (REP MTP) - Commercial**

#### ***Program Design***

In 2012 CenterPoint Houston introduced the concept of a “cafeteria program” to REPs in an effort to engage them in the company’s energy efficiency portfolio. The cafeteria program offers a menu of programs to the REPs where they can pick measures that best suit their organization. A number of REPs have participated in the program and participation has been increasing. As a result, CenterPoint Houston increased the available measures in 2015 and will maintain this level for 2016. REPs will be able to choose from a menu of options that include:

- CoolSaver A/C Tune-up Program – Residential
- CoolSaver A/C Tune-up Program - Commercial
- CoolSaver A/C Tune-up Program - Income Qualified
- Efficiency Connection Electronic Marketplace – LED Bulbs
- Residential Demand Response BYOD

The CoolSaver A/C Tune-up program utilizes specially trained air conditioning contractors to perform comprehensive A/C tune-ups for commercial customers. Fifteen (15) REPs participated in the 2015 program.

#### ***Implementation Process***

The Retail Electric Provider program will be executed in the CenterPoint Energy Houston Electric service territory using a third-party program implementer. The third-party implementer will recruit participants and insure program goals are met. Incentives will be paid to program service providers or contractors for verified demand and energy savings achieved through the program.

### ***Outreach and Research Activities***

CenterPoint Energy Houston plans to market the availability of this program in the following manner:

- Contracts with a third-party program implementer to implement outreach and planning activities;
- REPs will market the program to existing customers via e-mail, phone calls, social media and direct mail; and
- Participate in appropriate industry-related meetings and events to generate awareness and interest.

### **Smart Pool Pilot Program Commercial**

#### ***Program Design***

In 2016, the Smart Pool Program continues as a mid-tier program providing incentives to registered contractors for the successful sale, installation, calibration and reporting of ENERGY STAR® qualified variable speed swimming pool pumps for residential or commercial customers located within the CenterPoint Energy electric distribution service territory. After two years as a pilot program, the residential component transitions to MTP; the commercial component will continue as a pilot program in 2016.

Examples of eligible swimming pool types are:

- Apartment Complexes
- Multifamily Developments
- HOA / Community
- Hotels & Motels
- Health Clubs
- Municipal / Public

The program will focus on retrofitting existing single-speed pump motors with variable-speed motors. The program will also target new construction whenever possible. Incentives will be offered directly to registered contractors for each variable speed pump, with \$400 for commercial facilities.

Demand response devices will not be addressed at this time.

### ***Implementation process***

The program will be implemented in the CenterPoint Houston service territory using a third-party program implementer (ECOVA, Inc.). The third-party implementer will recruit and train pool professionals, and insure program goals are met.

### ***Outreach and Research activities***

CenterPoint Houston will promote the program in the following manner:

- Attend appropriate industry-related meetings and seminars to generate awareness and interest;
- Conduct workshops as necessary to explain program elements such as responsibilities of the participating contractors, project requirements, and reporting process; and
- Provide educational campaigns to the consumer about the benefits and payback for efficient pool operation.

## **Data Centers Pilot Program**

### ***Program Design***

Data Center Energy Efficiency Market Transformation Pilot Program (DCEEP) debuted in 2015 and surpassed participation expectations. DCEEP offers a full service program to commercial customers that have a dedicated data center, server room or server closets for specialized IT-related equipment such as data storage, web hosting and telecommunications. Data centers operate continuously, require special environmental conditions, and have substantial peak demand loads and annual energy consumption.

The DCEEP will target this segment with services and energy conservation measures specifically designed for and marketed to this industry. The program services will include educating customers on current best practices and providing engineering surveys to identify and quantify energy conservation measures.

### ***Implementation Process***

DCEEP uses a third-party program implementer who will target potential customers that could benefit from this program, such as data center colocations, telecommunications/broadband/fiber

optic companies, and corporate headquarters. Incentives will be paid based upon approved measures that produce verifiable demand and energy savings. All projects are retained in the online tracking database, eTrack. Each participating customer is given the opportunity to continually increase the efficiency at the site, as is often the case with data centers. Some projects may continue through multiple years.

### ***Outreach Activities***

CenterPoint Houston plans to market the availability of this program in the following manner:

- Contract with a third-party program implementer to implement outreach and planning activities; and
- Participate in appropriate industry-related meetings
- Present details of the program to interested parties and groups at trade shows and conferences.

## **ENERGY STAR® New Homes MTP**

### ***Program Design***

The ENERGY STAR New Homes MTP targets builders constructing new homes. The program is supported by training, education, and advertising components that encourage builders to build energy efficient homes that meet stringent program requirements. The builders are selected through an application process and qualifying homes must be built according to program standards noted in the paragraph below.

In 2016, the program name will change due to current market conditions which resulted in a decrease of ENERGY STAR builders. To qualify for incentives in 2016, homes under the Texas state energy code must achieve 10% kWh savings better than the program's User Defined Reference Home (UDRH). Homes within municipalities with energy codes more stringent than the Texas state code must achieve 20% kWh savings better than the program's UDRH. The program reference home is in the form of a UDRH file as a supplement of REM/Rate and it is based on components from the IRC/IECC 2009 code as well as the baseline study completed by ICF International in 2015. An additional incentive will be offered for those builders who build to prescriptive tier levels defined in the 2016 program as well as a bonus incentive for ENERGY

STAR<sup>®</sup> certified homes. The three bonus tier levels encourage builders to install measures that drive higher kW and kWh savings in their homes with the help of the incentives to offset higher equipment costs. In the last few years the cost of building to ENERGY STAR standards has caused many builders to move away from the ENERGY STAR certification and move to different energy efficient programs that they deem more cost effective for their business. In addition, the number of participating ENERGY STAR builders was declining while builders incorporating high performance measures were increasing. To meet the need of the market and recognize more efficient building practices, we are designing program marketing materials and sales trainings for all participating builders instead of just ENERGY STAR builders.

### ***Implementation Process***

CenterPoint Houston will continue implementation of a new home MTP and any eligible home builder meeting the minimum requirements may submit an application for participation in the program. Program information is provided on CenterPoint Houston's website.

### ***Outreach and Research Activities***

CenterPoint Houston promotes the New Homes MTP in the following manner:

- Contracts with a third-party program implementer to implement outreach and planning activities;
- Advertises using a multitude of media, including billboards, radio, online and targeted relocation publications as well as supporting the local home builder association publications;
- Provides point of purchase materials including yard signs, door mats and brochures free to participating builders;
- Conducts training sessions for builders' sales staff throughout the year to increase the knowledge and awareness of the features and benefits of ENERGY STAR<sup>®</sup> or energy efficient homes;
- Coordinates two roundtables with the builder's home energy raters to discuss and exchange information concerning program issues;
- Attends appropriate industry-related meetings and seminars to generate awareness and interest;
- Participates in state-wide outreach activities;
- Conducts builder workshops covering program requirements, incentive information, and the application and reporting process; and

- Conducts technical training sessions for participating raters and HVAC contractors.

## **Residential Standard Offer Program (SOP)**

### ***Program Design***

The Residential SOP targets retrofit measures for residential customers with incentives being paid to project sponsors, for qualifying measures that provide verifiable demand and energy savings. Project sponsors are encouraged to install comprehensive measures and are paid based on the approved deemed savings values in the Texas Technical Reference Manual. Project funding is based on a first-come, first-served approach. CenterPoint Houston's Residential SOP will continue in the same format for 2016. The program is open to all qualifying energy efficiency measures, including, but not limited to air conditioning, duct sealing, weatherization, ceiling insulation, water saving measures and ENERGY STAR® windows.

### ***Implementation Process***

CenterPoint Houston will continue implementation of its Residential SOP whereby any eligible project sponsor may submit an application for a project meeting the minimum requirements. Program information is provided on CenterPoint Houston's website.

### ***Outreach and Research Activities***

CenterPoint Houston markets the availability of this program in the following manner:

- Maintains internet website with detailed project eligibility, end-use measures, incentive structure, procedures, application forms and list of third-party project sponsors;
- Utilizes mass e-mail notifications to potential project sponsors to inform them of the program start date and informational meetings;
- Participates in appropriate industry-related meetings and events to generate awareness and interest; and
- Conducts workshops as necessary to explain elements such as responsibilities of the project sponsor, project requirements, incentive information, and the application and reporting process.

## **Advanced Lighting Residential MTP**

### ***Program design***

This program offers point of purchase discounts to residential customers at participating retail stores for the purchase of qualified (i.e., ENERGY STAR® rated) high efficiency LED lighting products.

### ***Implementation process***

The Advanced Lighting program will be implemented in the CenterPoint Houston service territory by a third-party program implementer. Point of purchase discounts will be applied to residential customers at participating retailers, including Home Depot, Lowes, and Sam's Club, throughout the CenterPoint Houston footprint. The 2016 discounted amount is currently based on 9% off the MSRP per LED product purchased. This discounted rate may be subject to change throughout the year depending on the rate of sales, product availability, etc.

### ***Outreach and Research activities***

CenterPoint Houston plans to market the availability of this program in the following manner:

- In-store promotions of the program via signage;
- Contracts with a third-party program implementer (ECOVA, Inc.) to implement outreach and planning activities;
- Participates in regional outreach activities as may be available; and
- Participates in appropriate industry-related meetings and events to generate awareness and interest.

## **A/C Distributor MTP**

### ***Program design***

The A/C Distributor MTP provides incentives to air conditioning distributors who agree to facilitate the installation of high-efficiency (>16 SEER/12 EER) air conditioners and heat pumps (>8.6 HSPF) in existing single-family and multi-family homes within CenterPoint Houston's electric distribution service territory. In 2015, incentives were increased to encourage sales of 17 SEER and higher, while incentives were reduced for the 16 SEER.

### ***Implementation process***

CenterPoint Houston will continue implementation of its A/C Distributor MTP whereby any eligible A/C distributor meeting the minimum requirements may submit an application for participation in the program. CenterPoint Houston will continue to verify installations, manage and allocate available incentive funds, process all claims for incentive payments and provide other oversight functions. Program information is provided on CenterPoint Houston's website.

### ***Outreach and Research activities***

CenterPoint Houston plans to market the availability of this program in the following manner:

- Contracts with a third-party program implementer to implement outreach and planning activities;
- Utilizes mass e-mail notifications to potential project sponsors to inform them of the program start date and informational meetings;
- Conducts workshops as necessary to explain elements such as responsibilities of the distributors and contractors, program requirements, incentive information, and the application and reporting process; and
- Participates in appropriate industry-related meetings and events to generate awareness and interest.

## **Retail Electric Provider MTP (REP MTP) – Residential**

### ***Program design***

In 2012 CenterPoint Houston introduced the concept of a “cafeteria program” to the REPs in an effort to engage them in the company's energy efficiency portfolio. The cafeteria program offers a menu of programs to the REPs where they can pick and choose measures that best suit their organization. The REP's have shown increasing interest in participation. As a result, CenterPoint Houston increased the available measures in 2015 and will maintain the level for 2016. REP's will be able to choose from a menu of options that include:

- CoolSaver A/C Tune-up Program – Residential
- CoolSaver A/C Tune-up Program - Income Qualified
- Efficiency Connection Electronic Marketplace – LED Bulbs
- Residential Demand Response BYOD



The CoolSaver A/C Tune-up program utilizes specially trained air conditioning contractors to perform comprehensive A/C tune-ups for residential and small commercial customers. Fifteen (15) REPs participated in the 2015 program.

Efficiency Connection Electronic Marketplace is an online retail website used to promote and sell residential LED bulbs at a reduced price. The Efficiency Connection website was successfully marketed by fourteen (14) participating REP's in 2015. Retail providers support the program because it is easy to implement and provides high customer value.

CNP implemented a residential demand response program utilizing Wi-Fi enabled programmable thermostats in 2015. Four entities (2 REP's and two third party entities) enrolled 8,621 ESID's. The programmable thermostats were purchased and deployed by the third party participants with excellent results. This is referred to as a BYOD (Bring Your Own Device) program which relieves the utility from the cost of purchasing, marketing and installing the device. A new residential demand response database was implemented to manage the numerous participants and to calculate the demand reduction for each event. The database implemented baseline calculations established by the Statewide Auditor. The Residential Demand Response BYOD Program will be implemented as a Standard Offer Program in 2016 as suggested by the Statewide Auditor and will not be a part of the REP MTP program. Baseline calculation results are currently under review by the Statewide Auditor.

### ***Implementation process***

The Retail Electric Provider program will be executed in the CenterPoint Energy Houston service territory using a third-party program implementer. The third-party implementer will recruit participants and insure program goals are met. Incentives will be paid to program service providers or contractors for verified demand and energy savings achieved through the program.

### ***Outreach and Research activities***

CenterPoint Energy Houston plans to market the availability of this program in the following manner:

- Contracts with a third-party program implementer to implement outreach and planning activities;
- REPs or third party entities will market the program to existing customers via e-mail, phone calls, social media and direct mail; and
- Participate in appropriate industry-related meetings and events to generate awareness and interest.

## **Multifamily MTP**

### ***Program Design***

The Multifamily MTP encompasses three programs that address energy efficiency opportunities within the multifamily market segment. Multifamily Water and Space Heating is the segment that promotes the installation of energy efficient non-electric water heating in multi-family housing developments. The program includes boiler systems, individual gas water and space heating units, and combination gas water heating and space heating systems. Projects are funded based on qualifying measures, estimated completion date and available funds.

To enhance participation of multifamily developers, CenterPoint Houston is also implementing a High Performance Multifamily MTP in conjunction with the Multifamily Water and Space Heating and Direct Install programs. Developers are selected through an application process for qualifying new multifamily developments. Projects must be built either to ENERGY STAR® version 3.0 standards or above current energy code via the high performance path. In 2016, developers will be incentivized using prescriptive measures bonus structure combined with the existing pay-for-performance base kWh incentive. ENERGY STAR certified units will receive an additional bonus.

The Multifamily Direct Install Program offers property owners and managers a free visual audit of existing units to see if the property is eligible for energy efficient direct install measures, which may include CFLs, water savings measures (faucet aerator, low-flow showerhead), water heater tank wrap, and water heater pipe insulation. If eligible, these measures will be installed at no cost to the property and resident. In addition, a tenant education handout will be left in the unit explaining the benefits of energy efficiency and tips on how to save energy.

### ***Implementation Process***

CenterPoint Houston will continue implementation of its Multifamily MTP program whereby any eligible project sponsor or developer may submit an application for a project meeting the minimum requirements.

### ***Outreach and Research Activities***

CenterPoint Houston markets the availability of this program in the following manner:

- Utilizes mass e-mail notifications to potential project sponsors and developers to inform them of the program start date and informational meetings;
- Participates in appropriate industry-related meetings and events to generate awareness and interest;
- Conducts workshops as necessary to explain elements such as responsibilities of the project sponsor, project requirements, incentive information, and the application and reporting process;
- Contracts with a third-party program implementer to implement outreach and planning activities for the High Performance Multifamily MTP and the Multifamily Direct Install programs; and
- Provides point of purchase materials including yard signs, marketing kits, and brochures to participating developers and property managers for the High Performance Multifamily MTP and the Multifamily Direct Install program.

## **Smart Pool Program Residential**

### ***Program Design***

For 2016, the Smart Pool Program continues as a mid-tier program providing incentives to registered contractors for the successful sale, installation, calibration and reporting of ENERGY STAR® qualified variable speed swimming pool pumps for residential or commercial customers located within the CenterPoint Energy electric distribution service territory. After two years as a pilot program, the residential component transitions to MTP; the commercial component will continue as a pilot program in 2016. The program will focus on retrofitting existing single-speed pump motors with variable-speed motors. The program will also target new construction whenever possible. Incentives will be offered directly to registered contractors for each variable

speed pump, based on \$250 for residential installation. Demand response devices will not be addressed at this time.

### ***Implementation process***

The program will be implemented in the CenterPoint Houston service territory using a third-party program implementer. The third-party implementer will recruit and train pool professionals, and insure program goals are met.

### ***Outreach and Research activities***

CenterPoint Houston will promote the program in the following manner:

- Attend appropriate industry-related meetings and seminars to generate awareness and interest;
- Conduct workshops as necessary to explain program elements such as responsibilities of the participating contractors, project requirements, and reporting process; and
- Provide educational campaigns to the consumer about the benefits and payback for efficient pool operation.

## **Energy Wise Educational Program**

### ***Program design***

This program is designed to show the benefits of energy efficiency through educational type programs. The Energy Wise Program utilizes a school delivery format to provide take-home Resource Action Kits to sixth grade students. For the 2015 school year the kits moved away from compact fluorescent bulbs and replaced those with LED bulbs, this will continue for 2016. The kit also contains energy efficiency devices, and creative classroom and in-home education techniques that encourage families to adopt new resource usage habits. Lesson plans are provided to teachers that help educate the students on the benefits of using these energy saving devices on a daily basis. In 2016 the energy kit will include three LED light bulbs, a high-efficiency showerhead, kitchen faucet aerator, and a bathroom faucet aerator making the program more interesting and helps save water due to high concentration of students living in multi-family housing.

### ***Implementation process***

The program will be implemented using a third-party program implementer that will recruit teachers in various targeted school districts throughout the service territory. Recruited teachers will receive program materials that include; a teacher and student workbook, kit of efficiency materials, a parent letter explaining the program and a survey. The incentive budget covers the implementer costs as well as the cost for the kits.

### ***Outreach and Research activities***

CenterPoint Houston plans to market the availability of this program in the following manner:

- Utilize third party implementer to recruit schools and teachers.

## **Hard-To-Reach Standard Offer Program (HTR SOP)**

### ***Program Design***

The HTR SOP targets hard-to-reach residential customers. Incentives are paid to project sponsors for qualifying measures installed in retrofit applications which provide verifiable demand and energy savings to customers whose annual total household income is less than 200% of current federal poverty guidelines. Project sponsors are encouraged to install comprehensive measures and are paid based on the Texas Technical Reference Manual approved deemed savings values. Project funding is based on a first-come, first-served approach. Qualifying measures include those allowed in the Residential SOP as well as compact fluorescent lamps. Also included in the HTR SOP is the Affordable Single Family component. This segment pays incentives to not for profit agencies who build new homes to ENERGY STAR® standards for lower income families.

### ***Implementation Process***

CenterPoint Houston will continue implementation of its HTR SOP whereby any eligible project sponsor may submit an application for a project meeting the minimum requirements. Program information is provided on CenterPoint Houston's website.

### ***Outreach and Research Activities***

CenterPoint Houston markets the availability of this program in the following manner:

- Utilizes mass e-mail notifications to potential project sponsors to inform them of the program start date and informational meetings;
- Maintains an internet website with detailed project eligibility, end-use measures, incentive structure, procedures and application forms;
- Participates in appropriate industry-related meetings and events to generate awareness and interest;
- Participates in state-wide outreach activities as may be available; and
- Conducts workshops as necessary to explain elements such as responsibilities of the project sponsor, project requirements, incentive information, and the application and reporting process.

### **Targeted Low-Income MTP (Agencies in Action)**

#### ***Program Design***

The Targeted Low-Income MTP facilitates the installation of energy efficiency upgrades for low-income residential customers within CenterPoint Energy's electric service territory. CenterPoint Houston's goal is to solicit the participation of local non-profit organizations and energy service companies to provide comprehensive, whole-house retrofits that maximize electricity savings including attic insulation, solar screens, lighting retrofits, water saving measures, ENERGY STAR® room air conditioners, central air conditioning systems, ENERGY STAR® refrigerators, duct efficiency improvement and air infiltration control. Program participants must have an annual household income of less than 200% of the federal poverty guidelines, and a maximum expenditure of \$6,500 is allowed per home. After consultation with PUCT staff, the program was redesigned for 2015, to improve the quality of services provided, to allow for greater access by local contractors and not-for-profit agencies, and to increase competition by service providers. Previously, participating not-for-profit agencies provided or arranged to provide customer outreach, assessments, and measure installations. With the new program design participating not-for-profit agencies continue to provide outreach and income verification, but assessments and measure installation services are provided on a competitive basis by pre-qualified local contractors. Agencies may still provide

assessment and measure installation services, but must compete with other providers, and are not allowed to perform assessments and measure installations on the same home.

### ***Implementation Process***

CenterPoint Houston will continue implementation of its Targeted Low-Income MTP in 2016. The program implementer has the responsibility of recruiting and overseeing the participating agencies and ESCOs. The program requires all single family homes weatherized must have a NEAT (National Energy Audit Tool) audit conducted by qualified personnel, as described by PURA § 39.905(f), to be eligible for the program. In 2016, the Targeted Low-Income MTP will continue to comply with Senate Bill 1434 which requires that targeted low income programs comply with the same audit requirements as federal weatherization programs.

In 2016, CenterPoint Houston will continue to accept multifamily projects based on cost effectiveness rankings. These projects may include HVAC and some envelope measure installations.

### ***Outreach and Research Activities***

CenterPoint Houston markets the availability of its programs in the following manner:

- Participates in appropriate industry-related meetings and events to generate awareness and interest;
- Promotes program participation in under-served areas of the CenterPoint Houston electric service territory;
- Contacts non-profit organizations for potential participation; and
- Conducts workshops as necessary to explain elements such as responsibilities of the agency, project requirements, incentive information, and the application and reporting process.

## **Retail Electric Provider Program (CoolSaver Income Qualified)**

### ***Program Design***

In 2012 CenterPoint Houston introduced the concept of a “cafeteria program” to REPs in an effort to engage them in the company’s energy efficiency portfolio. The cafeteria program offers a menu of programs to the REPs where they can pick measures that best suit their organization. The REPs have shown increasing interest in participation. As a result, CenterPoint Houston

increased the available measures in 2015 and will be maintain that level in 2016. REP's will be able to choose from a menu of options that include:

- CoolSaver A/C Tune-up Program – Residential
- CoolSaver A/C Tune-up Program - Commercial
- CoolSaver A/C Tune-up Program - Income Qualified

The CoolSaver A/C Tune-up Income Qualified program was introduced in 2015 to offer A/C tune-ups to low income residential customers. One (1) REP participated in this program in 2015 with modest results. The program will continue in 2016 with a greater emphasis on recruiting income qualified customers.

### ***Implementation Process***

The Retail Electric Provider program will be executed in the CenterPoint Energy Houston service territory using a third-party program implementer. The third-party implementer will recruit participants and insure program goals are met. Incentives will be paid to program service providers or contractors for verified demand and energy savings achieved through the program.

### ***Outreach and Research Activities***

CenterPoint Energy Houston plans to market the availability of this program in the following manner:

- Contracts with a third-party program implementer to implement outreach and planning activities;
- REPs or third party entities will market the program to existing customers via e-mail, phone calls, social media and direct mail; and
- Participate in appropriate industry-related meetings and events to generate awareness and interest.



## **Research and Development (R&D) Projects**

In 2016 CenterPoint Energy plans to implement the following R&D projects. Additional projects may be implemented depending on research opportunities and the availability of budgeted R&D funds.

### **Program: Mini-Split Heat Pumps**

In 2014, CenterPoint Energy partnered with Frontier Associates to conduct research and determine if Ductless Mini-Splits are a viable option to incorporate into the Company's portfolio of energy efficiency programs. Based on data collected during the market assessment phase of the study, CenterPoint Energy decided that there were market conditions that made it conducive to conduct M&V on a sample of mini-split heat pumps installations.

With the goal of incorporating mini-split heat pumps into a future version of the Texas TRM, a multi-family garden style complex located in Houston was identified and selected as the test site in 2014. The sample size includes a total of 56 individually metered apartment units. A combination of 28 Mitsubishi mini-split heat pumps and 28 Carrier unitary split system heat pumps characterize the sample. All 56 installations were complete in the fourth quarter of 2014.

In order to determine the incremental demand and energy savings that can be achieved through the installation of mini-split heat pumps, measurement and verification will occur over the course of 12 months. All HVAC systems are sub-metered, interior relative humidity and temperature is being logged, and analysis of 15-minute interval Smart Meter data will be used to determine savings. The data collection phase of the project began with initial collection from January 2015 until January 2016, with eight sites extending through October 2016.

### **Program: Green Proving Ground - Collaborative Study with General Services**

#### **Administration (GSA) and Oncor**

The Green Proving Ground Program (GPG) leverages the GSA's real estate portfolio and utility R&D funding to evaluate innovative sustainable building technologies. Evaluations, performed in association with independent researchers and the Department of Energy (DOE), are used to support the development of GSA performance specification and inform decision makers within GSA, other federal agencies, and the real estate industry. Only those parts of the GPG program

that align with utility goals will be funded from utility R&D funds. CenterPoint Houston is collaborating with Oncor on this R&D project.

The preliminary goals of the collaboration are as follows:

- Identify practical technologies that can be incorporated into utility-sponsored programs
- Use third-party test results to support the development of stipulated deemed savings or M&V protocols for innovative technologies
- Use the rigorous R&D process to support and justify the integration of new technologies in utility-sponsored programs
- Demonstrate a strong return on investment for R&D based on new technologies that are identified through the collaboration and incorporated into utility sponsored programs

#### **Program: Small Commercial Buildings Energy Efficiency Pilot Study**

The purpose of the pilot study is to evaluate potential energy efficiency programs to be marketed toward small commercial properties in CenterPoint's service area. The small commercial buildings sector, generally defined as commercial buildings less than 50,000 square feet, accounts for more than 50% of total U.S. commercial building space. This sector houses a majority of small businesses that are acknowledged to be major drivers of the US economy. These include buildings like food services, office buildings, strip malls, retail, lodging, mixed use development and places of worship. This sector is diverse and fragmented in nature and a majority of buildings are owner managed but very few are actually occupied by the owner. Small building owners lack the time and capital to spend on energy efficiency measures and there are very few resources and tools available to invest in energy assessment at these facilities.

#### **Program: Power Across Texas**

The Power Across Texas (PAT) launched a separate and independent initiative in 2016: the Texas Energy Poverty Research Institute (TEPRI). Its mission as a research institute is to acquire and share actionable data that helps meet the needs of the energy poor in Texas. TEPRI has its roots in one of PAT's signature programs that in 2013 brought together academia, industry and government to address access to electricity in South Texas. CenterPoint

contribution to Texas Energy Poverty Research Institute is funding work to access the poverty and energy nexus and how to bring more cost effective programs to that group of customers.

**C. New Programs for 2016**

There are no new programs currently planned for program year 2016.

**D. New Programs for 2017**

There are no new programs currently planned for program year 2017.

## II. Customer Classes

Customer classes targeted by CenterPoint Houston's energy efficiency programs are the Hard-to-Reach, Residential, and Commercial customer classes.

The annual MW savings goal will be allocated to customer classes by examining historical program results, evaluating economic trends, and taking into account Substantive Rule § 25.181 and Senate Bill 1434, which state that no less than 5% of the utility's total demand reduction savings goal should be achieved through programs for hard-to-reach customers and no less than 10% of the energy efficiency budget is to be spent on targeted low-income programs, respectively. Table 3 summarizes the number of customers in each of the customer classes. It should be noted, however, that the actual distribution of the goal and budget must remain flexible based upon the response of the marketplace and the overriding objective of meeting legislative and Commission goals.

**Table 3: Summary of Customer Classes**

<b>Customer Class</b>	<b>Number of Customers</b>
Commercial	268,000
Residential	1,306,000
Hard to Reach <sup>5</sup>	774,000

<sup>5</sup> CenterPoint Houston does not require income information for electric service and no records are available to correlate revenue for the Hard-to-Reach customer class. However, according to the U.S. Census Bureau, Current Population Survey 2015 Annual Social and Economic Supplement, 37.2% of Texas families fall below 200% of the poverty threshold. Applying that percentage to CenterPoint Houston's residential customer totals, the number of HTR customers is estimated at 774,000. Program goals will be based on the requirement in the energy efficiency rule that no less than 5% of the total energy efficiency demand goal will be achieved through the programs in the Hard-to-Reach customer class.

### **III. Energy Efficiency Goals and Projected Savings**

As prescribed by Substantive Rule § 25.181, CenterPoint Houston's demand goal for 2016 is specified as 0.4% of peak demand since the goal of 30% of its five-year average rate of growth in demand was satisfied in 2013. For the purposes of this report, the 2016 demand goal is based on the 5-year average of weather adjusted peak demand for 2010-2014, and the 2017 demand goal is based on the 5-year average of weather adjusted peak demand for 2011-2015. The corresponding energy savings goals are determined by applying a 20 percent capacity factor to the demand savings goals.

Table 4 presents historical annual peak demand for 2010-2015 and estimated peak demand for 2016 and 2017. Table 5 presents the corresponding projected demand and energy savings broken out by program for each customer class for 2016 and 2017. The projected savings is the demand and energy savings that can be achieved based on the annual budget shown in Table 6. The MW and MWh values presented in table 5 are at the customer meter and include line loss values approved in the latest CenterPoint Energy Houston Electric rate case, Docket 38339.

**Table 4: Annual Growth in Demand and Energy Consumption**

Calendar Year	Peak Demand (MW)				Energy Consumption (GWh)			
	Total System		Residential & Commercial		Total System		Residential & Commercial	
	Actual <sup>6</sup>	Weather Adjusted <sup>7,8</sup>	Actual	Weather Adjusted	Actual	Weather Adjusted	Actual	Weather Adjusted
2010	16,315	16,341	14,602	14,628	81,142	80,373	80,263	79,494
2011	17,284	16,688	15,321	14,725	84,354	81,635	83,385	80,666
2012	16,614	16,507	14,906	15,013	82,720	83,034	81,790	82,104
2013	17,012	16,925	14,894	14,981	84,431	84,616	83,533	83,718
2014	16,592	17,032	14,692	15,131	86,159	87,044	68,420	69,680
2015	18,056	17,768	15,960	15,672	88,232	88,326	71,013	71,107
2016	18,509	N/A <sup>9</sup>	16,673	N/A	92,257	N/A	73,660	N/A
2017	19,137		17,010		95,478		74,605	

Table 4 shows the actual peak demand and energy consumption over the past five years as well as the estimated peak demand and energy consumption for 2016 and 2017. The previous five-year average actual peak demand for 2014 and for 2015 multiplied by the PUCT stated annual goal reduction percentage gives the annual MW and MWh goal shown in in Table 1.

#### 2016 Goals

$$\text{MW Goal} = 14,896 \times 0.4\% = 59.58 \text{ MW}$$

$$\text{MWh Goal} = 59.58 \text{ MW} \times 8760 \text{ Hours} \times 20\% \text{ Load Factor} = 104,384 \text{ MWh}$$

#### 2017 Goals

$$\text{MW Goal} = 15,104 \times 0.4\% = 60.42 \text{ MW}$$

$$\text{MWh Goal} = 60.42 \text{ MW} \times 8760 \text{ Hours} \times 20\% \text{ Load Factor} = 105,856 \text{ MWh}$$

<sup>6</sup> 2016 and 2017 Calendar Year "Actual" values are forecasted.

<sup>7</sup> "Actual Weather Adjusted" Peak Demand is "Actual" Peak Demand adjusted for weather fluctuations using weather data for the most recent ten years.

<sup>8</sup> Weather adjustment calculations are based on hourly weather data from NOAA's Quality Controlled Local Climatological Data (QCLCD).

<sup>9</sup> NA = Not Applicable: Energy efficiency goals are calculated based upon the actual weather-adjusted growth in demand.

**Table 5: Projected Demand and Energy Savings Broken Out by Program for Each Customer Class (at Meter)**

Program Goals by Customer Class for 2016 and 2017	2016		2017	
	Projected Savings (MW) at Meter	Projected Savings (MWh) at Meter	Projected Savings (MW) at Meter	Projected Savings (MWh) at Meter
<b>Large Commercial</b>	<b>116.51</b>	<b>97,955.09</b>	<b>122.41</b>	<b>146,574.64</b>
Large Commercial SOP	11.16	65,976.65	15.89	86,606.17
Commercial MTP (Texas Score & Healthcare)	3.92	15,413.13	4.38	25,938.38
Large Commercial Load Management SOP	96.94	266.59	98.41	590.47
Retro-Commissioning MTP	1.05	4,050.00	1.91	14,742.91
Sustainable Schools	0.57	1,038.92	0.67	2,127.64
REP (Commercial CoolSaver)	1.42	1,717.07	0.77	2,377.76
Smart Pool Pilot Program Commercial	0.44	726.18	0.25	1,710.38
Data Centers Pilot Program	1.01	8,766.54	0.14	12,480.94
<b>Residential and Small Commercial</b>	<b>20.11</b>	<b>54,580.57</b>	<b>34.75</b>	<b>43,400.57</b>
New Homes MTP	10.49	27,453.30	6.23	14,583.33
Residential & SC SOP	0.85	1,809.06	0.95	1,740.89
Advanced Lighting Residential	1.01	7,132.30	2.56	10,755.79
Residential & SC A/C Distributor MTP	1.67	5,452.11	0.88	2,138.14
REP (CoolSaver & Efficiency Connection)	1.34	4,028.18	3.30	10,023.50
Residential Demand Response Program	2.00	12.00	19.50	117.00
Multi-Family MTP (RES & Energy Star MF Low Rise)	1.16	3,125.76	0.66	1,430.90
Smart Pool Program Residential	1.18	3,600.00	0.45	1,526.70
Energy Wise Resource Action MTP	0.41	1,967.86	0.22	1,084.32
<b>Hard-to-Reach</b>	<b>4.61</b>	<b>8,181.27</b>	<b>4.61</b>	<b>7,334.89</b>
Hard-to-Reach SOP Program	1.26	2,353.61	1.88	3,668.81
Multi-Family MTP (HTR)	1.16	3,125.76	1.52	1,476.20
Targeted Low Income MTP (Agencies in Action)	2.19	2,701.90	1.17	2,053.55
REP (CoolSaver Income Qualified)	0.00	0.00	0.05	136.33
<b>TOTAL</b>	<b>141.23</b>	<b>160,716.93</b>	<b>161.77</b>	<b>197,310.10</b>



#### IV. Program Budgets

Table 6 presents total projected budget allocations required to achieve the projected demand and energy savings for calendar years 2016 and 2017. The budget allocations are a result of the projected demand and energy savings presented in Table 5. The budget allocations presented in Table 6 include incentive and administration costs for each program and customer class.

**Table 6: Proposed Annual Budget Broken Out by Program for Each Customer Class**

Program Estimated Budget by Customer Class for 2016 and 2017	2016			2017		
	Incentives	Admin	Total Budget	Incentives	Admin	Total Budget
<b>Large Commercial</b>	<b>\$16,000,000</b>	<b>\$1,504,850</b>	<b>\$17,504,850</b>	<b>\$15,907,762</b>	<b>\$1,912,024</b>	<b>\$17,819,786</b>
Large Commercial SOP	\$6,500,000	\$732,000	\$7,232,000	\$6,500,000	\$914,243	\$7,414,243
Commercial MTP (TX Score & HEEP)	\$3,750,000	\$330,100	\$4,080,100	\$3,432,762	\$400,825	\$3,833,587
Large Commercial Load Management SOP	\$3,000,000	\$239,000	\$3,239,000	\$3,000,000	\$323,112	\$3,323,112
Retro-Commissioning MTP	\$700,000	\$102,250	\$802,250	\$925,000	\$121,876	\$1,046,876
Sustainable Schools	\$375,000	\$21,500	\$396,500	\$375,000	\$32,014	\$407,014
REP (Commercial CoolSaver)\	\$425,000	\$20,250	\$445,250	\$425,000	\$32,166	\$457,166
Smart Pool Pilot Program Commercial	\$250,000	\$13,000	\$263,000	\$250,000	\$13,000	\$263,000
Data Centers Pilot Program	\$1,000,000	\$46,750	\$1,046,750	\$1,000,000	\$74,787	\$1,074,787
<b>Residential and Small Commercial</b>	<b>\$11,050,000</b>	<b>\$973,400</b>	<b>\$12,023,400</b>	<b>\$11,350,000</b>	<b>\$1,282,104</b>	<b>\$12,632,104</b>
New Homes MTP	\$3,500,000	\$342,000	\$3,842,000	\$3,500,000	\$440,131	\$3,940,131
Residential & SC SOP	\$500,000	\$80,300	\$580,300	\$500,000	\$94,319	\$594,319
Advanced Lighting Residential	\$900,000	\$55,250	\$955,250	\$900,000	\$80,484	\$980,484
Residential & SC A/C Distributor MTP	\$1,500,000	\$197,000	\$1,697,000	\$1,700,000	\$263,963	\$1,963,963
REP (CoolSaver & Eff. Connection)	\$2,200,000	\$123,053	\$2,323,053	\$2,200,000	\$175,682	\$2,375,682
Residential Demand Response Program	\$800,000	\$44,747	\$844,747	\$900,000	\$72,800	\$972,800
Multi-Family MTP (RES & E*MF Low Rise)	\$650,000	\$49,250	\$699,250	\$650,000	\$67,474	\$717,474
Smart Pool Program Residential	\$500,000	\$19,800	\$519,800	\$500,000	\$33,819	\$533,819
Energy Wise Resource Action MTP	\$500,000	\$62,000	\$562,000	\$500,000	\$53,433	\$553,433
<b>Hard-to-Reach</b>	<b>\$4,950,000</b>	<b>\$667,550</b>	<b>\$5,617,550</b>	<b>\$5,000,250</b>	<b>\$1,016,433</b>	<b>\$6,016,683</b>
Hard-to-Reach SOP Program	\$1,000,000	\$227,500	\$1,227,500	\$1,000,000	\$255,537	\$1,255,537
Multi-Family MTP (HIR)	\$650,000	\$47,650	\$697,650	\$650,000	\$207,835	\$857,835
Targeted Low Income MTP (Agencies in Action)	\$3,300,000	\$392,400	\$3,692,400	\$3,300,000	\$546,606	\$3,846,606
REP (CoolSaver Income Qualified)	\$0	\$0	\$0	\$50,250	\$6,455	\$56,705
<b>SUB TOTAL</b>	<b>\$32,000,000</b>	<b>\$3,145,800</b>	<b>\$35,145,800</b>	<b>\$32,258,012</b>	<b>\$4,210,561</b>	<b>\$36,468,573</b>
R&D	\$0	\$250,000	\$250,000	\$0	\$375,000	\$375,000
<b>PROGRAM TOTAL</b>	<b>\$32,000,000</b>	<b>\$3,395,800</b>	<b>\$35,395,800</b>	<b>\$32,258,012</b>	<b>\$4,585,561</b>	<b>\$36,843,573</b>
EM&V			\$549,065			\$0
<b>EECP PROGRAM TOTAL</b>			<b>\$35,944,865</b>			<b>\$36,843,573</b>

## Energy Efficiency Report

### V. Historical Demand Savings Goals and Energy Targets for Previous Five Years

Table 7 documents CenterPoint Houston's actual demand goals and energy targets for the previous five years (2011 – 2015). Each value was calculated using the methods outlined in Substantive Rule § 25.181.

**Table 7: Historical Demand and Energy Savings Goals (at Meter)**

Actual Weather Adjusted Demand Goal at Meter (MW)	Actual Weather Adjusted Energy Goals at Meter (MWh)	Actual Demand Savings at Meter (MW)	Actual Weather Adjusted Energy Savings at Meter (MWh)
58.83	103,069.00	168.49	188,255.21
55.73	97,639.00	159.19	153,170.39
54.85	96,088.00	195.97	160,106.74
39.20	68,693.82	175.40	130,617.00
39.21	68,694.00	110.24	146,092.00

## VI. Projected Savings, Reported and Verified Demand and Energy Savings

Table 8 breaks out the projected savings reported and verified demand energy savings by customer class for each program. The projected savings were reported in the Energy Efficiency Plan filed in April of 2015. The reported and verified savings are those savings that have been achieved and verified in 2015 calendar year.

**Table 8: Projected Savings versus Reported and Verified Savings for 2015 (at Meter)**

	2015					
	Projected Savings		Verified Savings		Reported / Verified	
	MW	MWh	MW	MWh	MW	MWh
<b>Large Commercial</b>	<b>135.13</b>	<b>105,613.46</b>	<b>125.22</b>	<b>113,510.94</b>	<b>125.22</b>	<b>113,510.94</b>
Large Commercial SOP	12.02	71,051.78	11.57	76,024.92	11.57	76,024.92
Commercial MTP (TX Score & HEEP)	4.27	16,683.13	3.63	18,411.51	3.63	18,411.51
Large Commercial Load Management SOP	114.08	330.84	106.04	636.21	106.04	636.21
Retro-Commissioning MTP	1.40	5,400.00	0.96	3,690.76	0.96	3,690.76
Sustainable Schools	0.57	1,038.92	0.45	1,418.78	0.45	1,418.78
REP (Commercial CoolSaver)\	1.34	1,616.07	1.65	5,115.98	1.65	5,115.98
Pool Pump Program Commercial	0.44	726.18	0.01	95.21	0.01	95.21
Data Centers Program	1.01	8,766.54	0.91	8,117.58	0.91	8,117.58
<b>Residential and Small Commercial</b>	<b>20.38</b>	<b>53,787.18</b>	<b>37.53</b>	<b>66,473.86</b>	<b>37.53</b>	<b>66,473.86</b>
ENERGY STAR® Homes MTP	10.49	27,453.30	13.59	31,821.15	13.59	31,821.15
Residential & SC SOP	0.85	1,809.06	0.50	1,054.29	0.50	1,054.29
Advanced Lighting Residential	0.62	6,691.74	2.43	10,619.03	2.43	10,619.03
Residential & SC A/C Distributor MTP	1.90	6,179.06	2.22	6,335.95	2.22	6,335.95
REP (CoolSaver, Eff. Connection & Demand Response)	3.34	4,040.18	16.90	10,632.62	16.90	10,632.62
Multi-Family MTP (RES & Energy Star MF Low Rise)	1.13	2,847.08	0.80	2,257.24	0.80	2,257.24
Pool Pump Program Residential	1.52	2,498.91	0.71	2,395.29	0.71	2,395.29
Energy Wise Resource Action MTP	0.54	2,267.86	0.38	1,358.30	0.38	1,358.30
<b>Hard-to-Reach</b>	<b>5.45</b>	<b>9,145.65</b>	<b>5.74</b>	<b>8,270.41</b>	<b>5.74</b>	<b>8,270.41</b>
Hard-to-Reach SOP Program	1.51	2,913.21	1.29	2,636.71	1.29	2,636.71
Multi-Family MTP (HTR)	1.13	2,847.08	1.86	1,665.33	1.86	1,665.33
Targeted Low Income MTP (Agencies in Action)	2.81	3,385.35	2.55	3,843.40	2.55	3,843.40
REP (CoolSaver Income Qualified)	N/A	N/A	0.04	124.98	0.04	124.98
<b>TOTAL</b>	<b>160.96</b>	<b>168,546.29</b>	<b>168.49</b>	<b>186,255.21</b>	<b>168.49</b>	<b>186,255.21</b>

**Table 9: Projected Savings versus Reported and Verified Savings for 2014 (at Meter)**

Programs by Customer Class for 2014	2014					
	Projected Savings		Verified Savings		Reported / Verified	
	MW	MWh	MW	MWh	MW	MWh
<b>Large Commercial</b>	<b>119.85</b>	<b>107,917.29</b>	<b>130.62</b>	<b>88,180.71</b>	<b>130.62</b>	<b>88,180.71</b>
Large Commercial SOP	13.35	72,892.73	10.88	64,311.63	10.88	64,311.63
Texas SCORE MTP (Comm. MTP)	3.20	13,350.00	3.55	13,941.10	3.55	13,941.10
Large Commercial Load Mgmt SOP	100.00	300.00	113.30	311.58	113.30	311.58
Retro-Commissioning MTP	2.21	17,070.74	0.00	0.00	0.00	0.00
Advanced Lighting Commercial	0.34	2,424.97	0.39	2,821.62	0.39	2,821.62
Sustainable Schools Pilot	0.29	703.78	0.48	885.29	0.48	885.29
REP Pilot Program	0.46	1,175.06	2.01	5,909.50	2.01	5,909.50
<b>Residential and Small Commercial</b>	<b>22.02</b>	<b>65,861.38</b>	<b>23.54</b>	<b>58,386.83</b>	<b>23.54</b>	<b>58,386.83</b>
ENERGY STAR® New Homes MTP	12.44	31,375.20	12.14	29,094.36	12.14	29,094.36
Residential & SC SOP	0.98	1,978.84	0.43	920.73	0.43	920.73
Advanced Lighting Residential	0.30	3,263.67	0.80	8,617.73	0.80	8,617.73
A/C Distributor MTP	2.08	6,649.55	2.13	6,930.14	2.13	6,930.14
REP (CoolSaver, Eff. Connection & DR)	0.06	133.01	0.02	54.17	0.02	54.17
Multi-Family MTP (RES & E*MF Low Rise)	3.21	8,275.06	6.53	7,884.49	6.53	7,884.49
Pool Pump Program Residential	1.23	8,067.57	0.85	2,273.10	0.85	2,273.10
Energy Wise Resource Action MTP	0.67	4,385.61	0.46	2,243.02	0.46	2,243.02
<b>Hard-to-Reach</b>	<b>6.92</b>	<b>11,104.74</b>	<b>5.03</b>	<b>6,602.85</b>	<b>5.03</b>	<b>6,602.85</b>
Hard-to-Reach SOP Program	2.64	5,098.12	0.80	1,474.85	0.80	1,474.85
Multi-Family MTP (HTR)	0.75	1,752.06	0.60	640.71	0.60	640.71
Targeted Low Income MTP (AIA)	3.53	4,254.56	3.63	4,487.29	3.63	4,487.29
<b>TOTAL</b>	<b>148.79</b>	<b>184,883.40</b>	<b>159.19</b>	<b>153,170.39</b>	<b>159.19</b>	<b>153,170.39</b>

## **VII. Historical Program Expenditures**

This section documents CenterPoint Houston's incentive and administration expenditures for the previous five years (2011 – 2015) broken out by program for each customer class.

Table 10: Historical Program Incentive and Administrative Expenditures (2011 – 2015)<sup>10</sup>

Historical Statutory Program Funding by Customer Class	2015			2014			2013			2012			2011		
	Incentives	Admin		Incentives	Admin		Incentives	Admin		Incentives	Admin		Incentives	Admin	
Large Commercial	\$15,297,984	\$1,808,656		\$14,527,295	\$2,146,049		\$17,014,058	\$1,818,911		\$15,322,812	\$1,840,794		\$13,470,138	\$1,371,096	
Large Commercial SOP	\$6,283,259	\$795,079		\$6,335,962	\$1,087,653		\$6,597,644	\$954,748		\$6,118,676	\$1,113,955		\$7,135,658	\$827,522	
Retro-Commissioning MTP	\$464,977	\$48,338		\$260,367	\$43,365		\$924,415	\$98,467		\$728,186	\$98,953		\$911,694	\$197,955	
Commercial MTP (Texas SCORE & Healthcare)	\$3,216,713	\$386,926		\$3,015,795	\$400,337		\$2,933,764	\$230,852		\$2,175,141	\$248,361		\$2,573,968	\$173,145	
Large Commercial Load Management SOP	\$3,244,409	\$346,571		\$3,506,366	\$396,980		\$5,221,196	\$350,800		\$5,625,000	\$303,369		\$2,848,818	\$172,474	
Sustainable Schools	\$357,537	\$49,264		\$319,547	\$55,048		\$209,070	\$31,015		\$74,196	\$10,803		N/A	N/A	
Advanced Lighting Program	N/A	N/A		\$601,336	\$108,094		\$632,539	\$111,449		\$601,613	\$65,353		N/A	N/A	
REP Pilot Program (CoolSaver)	\$397,350	\$45,679		\$487,922	\$54,572		\$495,429	\$41,581		N/A	N/A		N/A	N/A	
Pool Pump Program Commercial	\$100,247	\$11,489		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
Data Centers	\$1,233,493	\$125,310		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
Residential and Small Commercial	\$11,659,302	\$1,308,234		\$10,275,021	\$1,224,176		\$9,173,682	\$960,688		\$8,991,307	\$1,094,181		\$6,987,624	\$1,323,648	
ENERGY STAR® Homes MTP	\$3,892,457	\$399,031		\$4,064,036	\$466,162		\$3,474,935	\$318,973		\$3,513,219	\$354,435		\$4,291,355	\$253,960	
Residential SOP	\$300,720	\$61,320		\$254,477	\$41,964		\$387,886	\$70,664		\$500,874	\$83,866		\$492,083	\$208,782	
Advanced Lighting Program	\$843,658	\$108,397		\$772,689	\$81,713		\$440,152	\$37,808		\$415,568	\$43,568		\$565,282	\$89,277	
Multi-Family MTP (RES)	\$506,714	\$48,463		\$472,690	\$70,662		\$252,600	\$46,153		\$347,050	\$50,050		\$15,200	\$2,825	
A/C Distributor Program	\$2,173,535	\$210,007		\$1,906,639	\$228,715		\$1,548,290	\$171,697		\$1,642,142	\$191,096		\$1,586,152	\$151,498	
Pool Pump Pilot	\$582,718	\$87,710		\$83,400	\$13,668		N/A	N/A		N/A	N/A		N/A	N/A	
Energy Wise Resource Action MTP	\$657,801	\$89,390		\$666,317	\$78,607		\$749,997	\$47,823		\$538,740	\$47,476		\$0	\$602,370	
REP (CoolSaver, Eff. Connection & Demand Response)	\$2,701,700	\$303,916		\$1,951,523	\$218,283		\$1,568,860	\$131,673		\$1,384,156	\$254,125		N/A	N/A	
Home Performance with ENERGY STAR®	N/A	N/A		\$103,250	\$24,402		\$750,962	\$135,897		\$649,558	\$69,565		\$6,664	\$3,975	
Community Weatherization (RES)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		\$30,888	\$10,961	
City of Houston Weatherization (RES)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
Hard-to-Reach	\$4,844,189	\$521,843		\$6,386,605	\$770,007		\$7,492,187	\$627,394		\$5,551,440	\$535,801		\$6,411,548	\$699,293	
Hard-To-Reach SOP	\$971,292	\$160,463		\$606,341	\$118,105		\$933,114	\$173,248		\$1,702,481	\$195,053		\$1,714,238	\$278,988	
Multi-Family MTP (HTR)	\$447,330	\$49,039		\$279,358	\$39,808		\$50,400	\$9,435		\$63,200	\$9,114		\$341,650	\$63,507	
Res HTR - Afford. Home	\$3,529	\$312		\$20,295	\$3,591		\$62,400	\$13,040		\$49,985	\$5,727		\$41,248	\$0	
Targeted Low Income MTP (Agencies in Action)	\$3,360,588	\$303,786		\$5,480,611	\$608,503		\$6,446,273	\$431,671		\$3,735,774	\$325,907		\$3,612,188	\$146,179	
TDHCA Low-Income Weatherization (SB-712)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		\$360,440	\$74,381	
Rebuilding Together Houston	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
Community Weatherization (HTR)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		\$61,890	\$36,915	
City of Houston Weatherization (HTR)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A		\$279,895	\$99,322	
REP (CoolSaver Income Qualified)	\$61,450	\$8,243		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
R&D		\$392,784		\$0	\$435,563		\$0	\$1,196,274		\$0	\$1,422,482		\$0	\$1,402,351	
<b>TOTAL</b>	<b>\$31,401,475</b>	<b>\$4,031,517</b>		<b>\$31,188,921</b>	<b>\$4,575,795</b>		<b>\$33,519,937</b>	<b>\$4,603,267</b>		<b>\$29,865,559</b>	<b>\$4,893,258</b>		<b>\$26,869,310</b>	<b>\$4,796,388</b>	

<sup>10</sup> 2015 actual spending taken from Table 11 in the current EEPR; 2014, 2013, 2012, and 2011 actual spending from the 2015 EEPR filed under Project 44480.

## **VIII. Program Funding for Calendar Year 2015**

As shown on Table 11, CenterPoint Houston spent a total of \$35,832,992 on energy efficiency programs in 2015. This was \$3,287,008 less than the Company's adjusted budget of \$39,120,000. Changes to individual program budgets that resulted in greater than 10% increases or decreases are described below.

The Retro-Commissioning Market Transformation program was not fully subscribed in 2015 and two projects moved to 2016 therefore it was 52% underrun. Commercial Pool Pump Pilot Program was in the first year which proved the infrastructure was not in place to support the budget which had an under spend of 61%. The Data Centers Pilot Program had a very successful first year and was able to spend 28% additional funds on projects that had been identified. Residential Standard Offer Program has seen a decline in spending due to certain measures having stricter requirements such as duct efficiency, this lead to a 38% reduction in spending. Due to the ease of in-store promotions, the Advanced Lighting Residential was able to use an additional 43% of funds from other programs. The A/C Distributor Program, introduced a special incentive structure for heat pumps that were installed where there was pre- existing electric resistance heat, the high number of installed allowed the program to spend an additional 22%. The Residential Pool Pump Program had an under spend of 18% due to the market not being developed enough to substantiate the filed goal. The Residential Demand Response portion of the REP program was underspent by 21% due to low enrollment. The Multi-Family MTP spending was lower by 40% due to delays in construction projects for both market rate and hard to reach, three projects have been moved to 2016.

Table 11: Program Funding for Calendar Year 2015

Program Funding for Calendar Year 2015		Number of Customer Meters	Forecasted Budget	Actuals Funds Expended (Incentives)	Actuals Funds Expended (Admin)	Total Funds Expended	Funds Committed (Not Expended)	Funds Remaining (Not Committed)	Percentage Change From Budgeted/ Actual
Large Commercial		1,049	\$19,197,800	\$15,297,984	\$1,808,656	\$17,106,641	\$0	-\$2,091,159	89%
Large Commercial SOP		373	\$ 8,031,000	\$ 6,283,259	\$ 795,079	\$ 7,078,338	\$0	\$ (952,662)	88%
Commercial MTP (TX Score & Healthcare)		161	\$ 4,035,100	\$ 3,216,713	\$ 386,926	\$ 3,603,639	\$0	\$ (431,461)	89%
Large Commercial Load Management SOP		258	\$ 3,863,000	\$ 3,244,409	\$ 346,571	\$ 3,590,980	\$0	\$ (272,020)	93%
Retro-Commissioning MTP		21	\$ 1,065,800	\$ 464,977	\$ 48,338	\$ 513,314	\$0	\$ (552,486)	48%
Sustainable Schools		6	\$ 407,500	\$ 357,537	\$ 49,264	\$ 406,801	\$0	\$ (699)	100%
REP (Commercial CoolSaver)\		216	\$ 445,800	\$ 397,350	\$ 45,679	\$ 443,029	\$0	\$ (2,771)	99%
Pool Pump Program Commercial		7	\$ 285,600	\$ 100,247	\$ 11,489	\$ 111,736	\$0	\$ (173,864)	39%
Data Centers Program Pilot		7	\$ 1,064,000	\$ 1,233,493	\$ 125,310	\$ 1,358,803	\$0	\$ 294,803	128%
Residential and Small Commercial		45,201	\$13,387,500	\$11,659,302	\$1,308,234	\$12,967,537	\$0	-\$419,963	97%
ENERGY STAR® Homes MTP		11,409	\$ 3,978,000	\$ 3,892,457	\$ 399,031	\$ 4,291,487	\$0	\$ 313,487	108%
Residential & SC SOP		495	\$ 586,300	\$ 300,720	\$ 61,320	\$ 362,040	\$0	\$ (224,260)	62%
Advanced Lighting Residential		N/A	\$ 665,700	\$ 843,658	\$ 108,397	\$ 952,056	\$0	\$ 286,356	143%
A/C Distributor MTP		1,943	\$ 1,950,800	\$ 2,173,535	\$ 210,007	\$ 2,383,542	\$0	\$ 432,742	122%
REP (CoolSaver, Eff. Connection & Demand Response)		14,709	\$ 3,802,600	\$ 2,701,700	\$ 303,916	\$ 3,005,616	\$0	\$ (796,984)	79%
Multi-Family MTP (RES & Energy Star MF Low Rise)		1,624	\$ 870,200	\$ 506,714	\$ 48,463	\$ 555,177	\$0	\$ (315,023)	64%
Pool Pump Program Residential		757	\$ 819,400	\$ 582,718	\$ 87,710	\$ 670,427	\$0	\$ (148,973)	82%
Energy Wise Resource Action MTP		14,264	\$ 714,500	\$ 657,801	\$ 89,390	\$ 747,191	\$0	\$ 32,691	105%
Hard-to-Reach		2,688	\$6,184,700	\$4,844,189	\$521,843	\$5,366,031	\$0	-\$818,669	87%
Hard-to-Reach SOP Program		1,209	\$ 1,173,600	\$ 974,821	\$ 160,775	\$ 1,135,596	\$0	\$ (38,004)	96.8%
Multi-Family MTP (HIR)		332	\$ 872,200	\$ 447,330	\$ 49,039	\$ 496,369	\$0	\$ (375,831)	57%
Targeted Low Income MTP (Agencies in Action)		1,073	\$ 4,138,900	\$ 3,360,588	\$ 303,786	\$ 3,664,374	\$0	\$ (474,526)	89%
REP (CoolSaver Income Qualified)		74	\$ -	\$ 61,450	\$ 8,243	\$ 69,693	\$0	\$ 69,693	N/A
SUB TOTAL		48,938	38,770,000	\$31,801,475	\$3,638,733	\$35,440,209	\$0	-\$35,131,267	91%
R&D		0	\$ 350,000	\$ -	\$ 392,784	\$ 392,784	\$0	\$ 42,784	N/A
TOTAL		48,938	\$39,120,000	\$31,801,475	\$4,031,517	\$35,832,992	\$0	-\$35,131,267	92%



## **IX. Market Transformation Program Results**

### **The Commercial MTP**

In 2015, the program paid incentives to 24 school districts, 1 private school, 5 higher education facilities, 5 cities, one county, 2 state agencies, 3 faith-based organizations, and one non-profit organization. Similar to 2014, lighting and HVAC replacements represented a majority of the projects that were incentivized in 2015. M&V projects, lighting controls, and motor replacements also represented a large portion of 2015 measures which resulted in a more diverse project portfolio than 2014.

In the past two years, the SCORE Lite program participation and impacts have steadily grown. In 2016, CenterPoint Energy and the implementer have begun to reevaluate its SCORE Lite approach. Recent discussions between CenterPoint Energy, the implementer and SCORE Lite participants have shown that more clearly defined SCORE Lite participant responsibilities need to be outlined before participants move to the program so participants are clear of their role in order to receive higher incentives. CenterPoint Energy and the implementer will meet with our current SCORE Lite participants as well as potential participants that we feel may be eligible for SCORE Lite in 2016, and make sure we have defined all program requirements and learn where guidance may be needed.

The initial results for the 2014 HEEP program were modest, but as a result of outreach, planning and successful project implementation, the 2015 impacts and spending were greatly improved. Initially, participants were limited to hospitals with less than 300 beds; however, many small hospitals are owned by large hospital corporations. As a result, the energy conservation measures implemented at small hospitals were also implemented at large hospitals within the corporation. These projects were included in the 2015 HEEP program results. Please note that the large hospital projects could have been submitted to the Commercial Standard Offer program but were managed within the 2015 HEEP program. We will maintain this process for 2016.

However, in an effort to alleviate this situation, the 2017 HEEP program will reduce incentives appropriately to make the HEEP program more cost effective and to offset the implementer's fees for providing project technical support. Currently, the incentive structure is identical for both the HEEP and C&I SOP programs. The 300 bed maximum rule will be waived in 2017 after the incentives are reduced. In addition, this will prevent competition between the HEEP

program and the Commercial Standard Offer program and result in a more cost effective HEEP program.

### **Retro-Commissioning MTP (RCx)**

The RCx program offers commercial customers the opportunity to make operational performance improvements in their facilities based on low cost / no cost measures identified by engineering analysis. Typical measures include adjusting the various building parameters (i.e., temperature set-points, building automation systems schedules, adjusting the amount of outside air, balancing air flows, etc.) to maximize building performance. Most projects provide savings of approximately 15% with simple customer payback of less than one year; however, due to the complexity of RCx analysis and customer delays, project completion typically takes in excess of a minimum of 18 months for investigation, implementation, and verification.

In 2015, the RCx program successfully completed 12 projects, and has already started work on 18 projects for 2016.

### **Sustainable Schools MTP**

The Sustainable Schools program is a comprehensive energy education and conservation program that targets physical science high school students and teachers as well as district energy managers and facilities staff. In 2015, the third party implementer conducted outreach and provided technical assistance to identify public and private schools. The technical assistance included training teachers and students on energy conservation, the use of energy auditing tools and instructions on monitoring the school's energy consumption. After benchmarking the high schools in a large district in the CenterPoint Houston territory, the program was able to identify energy conservation measures in six (6) eligible high schools to implement in 2015. Program staff also met with two new districts and has begun benchmarking their schools for eligible energy conservation measures. These districts will also be implementing the behavioral portion of the program in select schools throughout their district in 2016.

### **Commercial Pool Pump Pilot**

This new pilot program for 2015 provided incentives to swimming pool contractors for the sale, installation, and commissioning of eligible ENERGY STAR rated variable speed pool pumps in commercial facilities. Only 14 installations were incentivized in 2015, and the program will continue as a pilot in 2016.