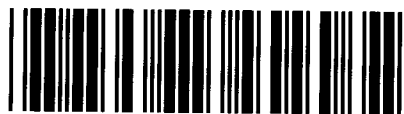




Control Number: 44480



Item Number: 5

Addendum StartPage: 0

CenterPoint Energy Houston Electric, LLC

2015 Energy Plan and Report

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

April 1, 2015

Project No. 44480

FILED
2015 APR -1 PM 1:41
CLERK OF DISTRICT COURT
HARRIS COUNTY TEXAS

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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 2014, 2015, and 2016 program years.

The format used in the EEPR is consistent with the requirements outlined in § 25.181(n) the Company's previous EEPR filings. The EEPR presents the results of CenterPoint Houston's 2014 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 2015 and 2016 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, fifteen sections, and three appendices.

Sections one through four detail the planning section of the EEPR, while sections five through ten present energy efficiency report information. The final five sections address the Energy Efficiency Cost Recovery Factor (EECRF) and the performance bonus achieved in 2014. 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, 2015 and another 0.4% reduction in its peak demand of residential and commercial customers by December 31, 2016. 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 2015 and 2016 goals, projected savings, and projected budgets.

Table 1: Summary of Annual Goals, Projected Savings and Projected Budgets¹

	Calendar Year	Normalized Peak Demand	MW Goal	Demand (MW) Goal	Energy (MWh) Goal²	Projected MW Savings	Projected MWh Savings³	Projected Budget (in 000's)
Annual Goals	2015	15,131	0.4% of peak demand	60.52	106,038	160.96	168,546.3	\$39,120
	2016	16,493	0.4% of peak demand	65.97	115,583	141.50	162,521.1	\$35,396

¹ 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.

² Calculated using a 20% capacity factor.

³ 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)
3. Large Commercial Load Management SOP
4. Retro-Commissioning MTP
5. Sustainable Schools
6. Data Centers Pilot
7. ENERGY STAR[®] Homes MTP
8. Residential SOP
9. Advanced Lighting Residential
10. A/C Distributor MTP
11. Retail Electric Provider MTP (REP MTP)
12. Pool Pump Pilot
13. Energy Wise Resource Action MTP
14. Hard-to-Reach SOP
15. Multi-Family MTP
16. Targeted Low Income MTP

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 2014 were 55.73 MW in peak demand reduction and 97,639 MWh in energy savings. Actual achieved reductions in 2014 totaled 159.3 MW and 153,242 MWh. Although the total forecasted spending for 2014 was \$39.3 million, actual 2014 spending totaled \$35.67 million. Program manuals for these programs can be found on CenterPoint Houston's sponsor portal <http://centerpoint.anbetrack.com/cnpportal/>.

Energy Efficiency Plan

I. 2015 Programs

A. 2015 Program Portfolio

CenterPoint Houston plans to implement 14 programs in 2015. In addition, two pilot programs will be funded in 2015. 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: 2015 Energy Efficiency Program Portfolio

Program	Target Market	Application
Commercial SOP	Large Commercial	Retrofit; New Construction
Commercial MTP	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	Retrofit
Data Center Pilot Program	Large Commercial	Retrofit; New Construction
ENERGY STAR® Homes MTP	Residential	New Construction
Residential SOP	Residential	Retrofit
Advanced Lighting Residential	Residential	Retrofit; New Construction
A/C Distributor MTP	Residential	Retrofit
Retail Electric Provider Pilot MTP	Residential & Commercial	Load Management; Retrofit
Pool Pump Pilot	Residential	Retrofit
Energy Wise Resource Action MTP	Residential	Educational
Hard-to-Reach SOP	Hard-to-Reach	Retrofit
Multi-Family MTP	Residential / Hard-to-Reach	New Construction
Targeted Low Income MTP	Hard-to-Reach	Retrofit

The programs listed in Table 2 are described further in sub-section B. CenterPoint Houston maintains two energy efficiency websites⁴: 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.

⁴ CenterPoint Houston energy efficiency website is 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. In response to recommendations made during a statewide audit, Commercial Standard Offer participants will be asked to provide the final installation invoice. This information will help gauge the full effect of current incentive level impacts on retrofit and new construction installs.

Implementation process

CenterPoint Houston will continue implementation of its Commercial SOP whereby any eligible project sponsor may submit an application for qualifying projects, as described by the current Technical Resource Manual. 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 detailed project eligibility, end-use measures, incentives, 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 MTP 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 MT segment of the program targets K-12, higher education, cities, counties and state governmental agencies within the CenterPoint Houston service territory. Direct incentives are paid to school districts, cities, and municipalities 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 2015, CenterPoint Houston and the implementer will continue to meet with certain program participants and discuss the possible transition into the SCORE Lite program. The movement of participants to SCORE Lite is intended to transition the market, yet still provide incentives to participants who would like to continue to install more efficient equipment. After discussions with EM&V auditors, CenterPoint Houston and the implementer will not offer free benchmarking services to participants who have already been benchmarked multiple times since the program started. CenterPoint Houston will still offer the option of benchmarking, but the participant will have to cover a portion of the cost if their facilities have been benchmarked multiple times.

In 2015, 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 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 small hospitals (< 300 beds), doctors' offices, clinics, and assisted living/nursing care facilities.

Implementation process

The SCORE/CitySmart portion of the Commercial Market Transformation Program is implemented using a third-party program implementer that targets public and private schools that are not currently enrolled in CenterPoint Houston's SCORE program. The goal is to target low-cost or no-cost measures involving behavioral, operational, or maintenance controls that will reduce energy consumption. There is no financial obligation from the participants.

The HEEP portion of the program is implemented using a third-party program implementer. The third-party implementer recruits participants, conducts assessments and ensures program goals are met. Incentives are paid to program participants for verified demand and energy savings achieved through the program.

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 such as responsibilities of the program requirements, incentive information, and the application and reporting process.

Large Commercial Load Management SOP

Program design

CenterPoint Houston will continue the Large Commercial Load Management SOP program in 2015. 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. Incentives payable to sponsors in the 2015 Commercial Load Management Program have been reduced by 10% in attempt to improve the program's cost-effectiveness. 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 2015 program will initiate a minimum of two curtailment calls and a maximum of six curtailment calls during the summer peak period. The first and second call is scheduled for June and will last from one to three hours. The remaining calls will last from one to four hours each and will take place at some point during the summer peak period.

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 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. After requests from multiple school districts, the 2015 program now allows middle schools to participate. 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 and operational 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.

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

ENERGY STAR® Homes MTP

Program design

The ENERGY STAR® New Homes MTP targets residential new construction. Incentives are paid to builders for the construction of high performance homes that meet certain requirements in the CenterPoint Houston service territory. The program is supported by training, education, and advertising components that encourage builders to build ENERGY STAR® homes. The builders are selected through an application process and qualifying homes must be built to strict EPA standards or above.

To qualify for incentives in 2015, 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 the IRC/IECC 2009 code. An additional incentive will be offered for those builders who build ENERGY STAR® certified homes. In 2014, the program provided a set bonus incentive any time a home achieved 5% above the program qualification requirement. In order to continue to transform the market and push builders to improve their building practices, CenterPoint Houston has changed to a tiered incentive structure. Bonus incentives for homes that are built at 5% and 10% above program requirements have been reduced while bonus incentives for those building 15% and above to reward builders who continue to improve their building practices. The program will continue to require a REM file and Fuel Summary report for each home submitted.

Implementation process

CenterPoint Houston will continue implementation of its ENERGY STAR® Homes 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 ENERGY STAR® Homes MTP in the following manner:

- Contracts with a third-party program implementer to implement outreach and planning activities;

- Advertises using a multitude of news 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;
- Maintains internet website, www.HoustonEnergyStarHomes.com with detailed program information, a list of participating ENERGY STAR[®] builders and the general features and benefits of ENERGY STAR[®] homes;
- Conducts training sessions for builders' sales staff throughout the year to increase the knowledge and awareness of the features and benefits of ENERGY STAR[®] homes;
- Participates in quarterly 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 residential customers with a maximum demand of less than 100 kW. Incentives are paid to project sponsors, for qualifying measures installed in retrofit applications, which provide verifiable demand and energy savings. Project sponsors are encouraged to install comprehensive measures and are paid based on the Public Utility Commission of Texas (PUCT) approved deemed savings values. Project funding is based on a first-come, first-served approach. CenterPoint Houston's Residential SOP will continue in the same format for 2015. 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. For the 2015 program year, CenterPoint Houston has reduced the incentive payment for the attic insulation measure.

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 2015 discounted amount is 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 will be increased to encourage sales of 17 SEER and higher, and incentives have been reduced for the 16 SEER. In 2015, there is a new incentive structure that has been implemented for heat pumps that are installed where there was preexisting electric resistance heat. Also, a random verification of Manual J's will be performed in 2015 as part of the inspection process for each A/C contractor.

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)

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 concept was to offer a menu of programs to the REPs where they could pick and choose measures that best suit their organization. The REP’s have accepted the concept of the program and have shown increasing interest in participation. As a result, CenterPoint Houston has increased the available measures in 2015. REP’s will be able to choose from a limited menu of methods on how they will provide verified demand and energy savings that include:

- Coolsaver A/C Tune-up Program – residential and commercial
- Coolsaver A/C Tune-up Program - Low Income Qualified
- Efficiency Connection Electronic Marketplace
- Residential Demand Response and Energy Efficiency

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 in CenterPoint Houston Electric’s service territory. Ten (10) REP’s have agreed to participate in the 2015 CoolSaver A/C tune-up program and market the program to their customers.

A new component of the Coolsaver A/C Tune-up program will be introduced in 2015 to offer A/C tune-ups to low income customers. REP’s will target customers who are on the state’s income-qualified rate plan, called LITE-UP Texas. Initially one or two REP’s will implement the program to determine its effectiveness.

CenterPoint Energy Houston Electric launched an online retail website in Q4 2014 to promote and deliver residential energy efficiency measures for customers in the Greater Houston area. The website called “Efficiency Connection” is marketed through participating Retail Energy Providers. In 2015 the website will focus on promoting and selling residential LED products at a reduced price. Eight (8) REP’s are participating in the 2015 Efficiency Connection electronic marketplace.

Currently, several third party companies have proposed methodologies to implement a residential demand response program utilizing Wi-Fi enabled programmable thermostats. The results of the 2014 residential demand response program are currently under review by the EM&V auditor. As a result, the residential demand response program will be continued in 2015. Demand and energy savings may also be achieved through the implementation of mathematical algorithms to

adjust thermostat settings without sacrificing customer comfort. Demand and energy savings must be measured and verified utilizing an appropriate baseline.

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 Electric 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.

Pool Pump Pilot Programs

Program design

For 2015, the Smart Pool Program has been redesigned as a mid-tier program and expanded to also include commercial facilities. The program provides 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.

Examples of eligible swimming pool types are:

- Single Family Homes
- 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, based on \$300 for residential and \$400 for commercial facilities.

Demand response devices will not be addressed in this phase of the program 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.

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 & seventh grade students. The kits contain energy efficiency

devices, such as compact fluorescent light bulbs, 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 2014, the new additions added to the energy kit included 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 multi-family residences.

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, and a parent letter explaining the program. 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 Public Utility Commission of Texas (PUCT) 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.

For the 2015 program year, CenterPoint Houston has reduced the incentive payment for the attic insulation measure. CenterPoint Houston has also changed the testing and installation protocol for the duct efficiency improvement measure. In previous years, program sponsors have been given the option to choose the duct leakage testing method, although in 2015, that option will no longer be available.

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 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; and
- Participates in state-wide outreach activities as may be available;
- Conducts workshops as necessary to explain elements such as responsibilities of the project sponsor, project requirements, incentive information, and the application and reporting process.

Multi-Family MTP***Program design***

The Multi-Family MTP encompasses three programs that address energy efficiency opportunities within the multi-family market segment. Multi-family Water and Space Heating is the segment that promotes the installation of energy efficient non-electric water and space 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 Multi-family ENERGY STAR[®] program in conjunction with the Multi-Family Water and Space Heating program. Developers are selected through an application process and qualifying new multifamily developments must be built to ENERGY STAR[®] version 3.0 standards. In 2015, developers will be given the option to be incentivized for building high performances multifamily developments. These developers will be offered a performance bonus for building above the current energy code.

In 2015, the new Multifamily Direct Install program will be launched to address the existing multi-family market. Property owners and managers will be offered a free visual audit of existing units to see if the property is eligible for energy efficient direct install measures, which may include CFL's, 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 resident. In addition, a tenant education packet 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 Multi-Family 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 Multifamily ENERGY STAR[®] and the Multifamily Direct Install programs; and

- Provides point of purchase materials including yard signs, door mats and brochures to participating builders for the Multifamily ENERGY STAR[®] and the Multifamily Direct Install programs.

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.

Implementation process

CenterPoint Houston will continue implementation of its Targeted Low-Income MTP in 2015. 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 2015, 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.

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 and local housing authorities 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.

Research and Development (R&D) Projects

In 2015 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 Study (Continued from 2014)

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 and departmental needs 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 will be sub-metered, interior relative humidity and temperature will be logged, and analysis of 15-minute interval Smart Meter data will be used to determine savings. The data collection phase of the project will occur from January 2015 until January 2016. CenterPoint Energy has consulted with the EM&V Team throughout this effort and expects to have M&V results by March 2016.

Program: 2014 Residential End Use Report

For the past five years, CenterPoint Houston has conducted a bi-annual residential end use survey to gather intelligence concerning energy usage. The survey provides home characteristics, penetration and saturation of various electric appliances, prevalence of various

energy efficient equipment and measures in homes, customer attitudes toward various energy-related actions, and actual actions taken by customers. The information is used to modify existing programs and to develop new programs based upon the results.

Program: Small Commercial Buildings Energy Efficiency Pilot Study

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.

To overcome these barriers, CenterPoint Energy has contracted with the Houston Advanced Research Center (HARC) to design a small commercial energy efficiency R&D project to analyze the cost effectiveness and to determine the potential of a full program. The project design will look at three alternate program types: a conventional direct install approach and two separate energy manager style programs. The most cost beneficial approach will be recommended after the pilot study has completed.

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

The R&D project will conclude during the 2015 program year.

C. New Programs for 2015

Data Centers Pilot Program

Program design

Data Center Energy Efficiency Market Transformation Pilot Program will be offered in 2015 as 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 Data Center Energy Efficiency Market Transformation Pilot Program 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

Implementation will take place in the first quarter of 2015 to establish program materials and guidelines. The program will use 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.

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

D. New Programs for 2016

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

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

Customer Class	Number of Customers
Commercial	266,000
Residential	1,295,000
Hard to Reach ⁵	738,000

⁵ 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 2014 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 738,000. 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 2015 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 2015 goal will be based on the actual peak demand for 2014, and the 2016 goal will be based on the estimated peak demand for 2015. Once actual weather adjusted load data is obtained for the 2015 calendar year, the 2016 goal will be adjusted. The demand savings goals are based on meeting 0.4% of the electric utility's peak demand of residential and commercial customers by December 31, 2015 and meeting 0.4% of the electric utility's peak demand of residential and commercial customers by December 31, 2016. 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 2010-2014 and estimated peak demand for 2015 and 2016. Table 5 presents the corresponding projected demand and energy savings broken out by program for each customer class for 2015 and 2016. 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. The line loss values for each rate class were weighted according to 2014 program participation to arrive at a final line loss value of 5.07%. To derive values at the source or power plant level, the values shown in the tables should be increased by 5.07%.

Table 4: Annual Growth in Demand and Energy Consumption

Calendar Year	Peak Demand (MW)				Energy Consumption (MWh)			
	Total System		Residential & Commercial		Total System		Residential & Commercial	
	Actual ⁶	Weather Adjusted ^{7,8}	Actual	Weather Adjusted	Actual	Weather Adjusted	Actual	Weather Adjusted
2010	16,315	16,341	14,602	14,628	65,667	63,649	64,788	62,770
2011	17,284	16,688	15,321	14,725	69,123	65,365	68,154	64,396
2012	16,614	16,507	14,906	15,013	67,882	67,347	66,952	66,417
2013	17,012	16,925	14,894	14,981	68,636	68,537	67,738	67,639
2014	16,592	17,032	14,692	15,131	86,152	87,412	68,420	69,680
2015	18,245	N/A ⁹	16,493	N/A	89,157	N/A	68,428	N/A
2016	18,790		16,922		90,817		68,770	

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 2015 and 2016. The actual peak demand for 2014 and the estimate peak demand for 2015 multiplied by the PUCT stated annual goal reduction percentage gives the annual MW and MWh goal shown in in Table 1.

2015 Goals

$$\text{MW Goal} = 15,131 \times 0.4\% = 60.52 \text{ MW}$$

$$\text{MWh Goal} = 60.52 \text{ MW} \times 8760 \text{ Hours} \times 20\% \text{ Load Factor} = 106,038 \text{ MWh}$$

2016 Goals

$$\text{MW Goal} = 16,493 \times 0.4\% = 65.97 \text{ MW}$$

$$\text{MWh Goal} = 65.97 \text{ MW} \times 8760 \text{ Hours} \times 20\% \text{ Load Factor} = 115,583 \text{ MWh}$$

⁶ 2014 and 2015 Calendar Year “Actual” values are forecasted.

⁷ “Actual Weather Adjusted” Peak Demand is “Actual” Peak Demand adjusted for weather fluctuations using weather data for the most recent ten years.

⁸ Weather adjustment calculations are based on hourly weather data from NOAA’s Quality Controlled Local Climatological Data (QCLCD).

⁹ NA = Not Applicable: Energy efficiency goals are calculated based upon the actual weather-adjusted growth in demand, so non weather adjusted “actual” forecasts are not applicable.

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

Program Goals by Customer Class for 2015 and 2016	2015		2016	
	Projected Savings (MW) at Meter	Projected Savings (MWh) at Meter	Projected Savings (MW) at Meter	Projected Savings (MWh) at Meter
Large Commercial	135.13	105,613.46	116.51	97,955.09
Large Commercial SOP	12.02	71,051.78	11.16	65,976.65
Commercial MTP	4.27	16,683.13	3.92	15,413.13
Large Commercial Load Management SOP	114.08	330.84	96.94	266.59
Retro-Commissioning MTP	1.40	5,400.00	1.05	4,050.00
Sustainable Schools	0.57	1,038.92	0.57	1,038.92
REP Program	1.34	1,616.07	1.42	1,717.07
Pool Pump Pilot	0.44	726.18	0.44	726.18
Data Centers Pilot	1.01	8,766.54	1.01	8,766.54
Residential and Small Commercial	20.38	53,787.18	20.38	56,384.78
ENERGY STAR® Homes MTP	10.49	27,453.30	10.49	27,453.30
Residential & SC SOP	0.85	1,809.06	0.85	1,809.06
Advanced Lighting Residential	0.62	6,691.74	0.93	10,037.61
A/C Distributor MTP	1.90	6,179.06	1.67	5,452.11
Retail Electric Provider Pilot MTP	3.34	4,040.18	3.34	4,040.18
Multi-Family MTP (RES)	1.13	2,847.08	1.16	3,125.76
Pool Pump Pilot	1.52	2,498.91	1.52	2,498.91
Energy Wise Resource Action MTP	0.54	2,267.86	0.41	1,967.86
Hard-to-Reach	5.45	9,145.65	4.61	8,181.26
Hard-to-Reach SOP Program	1.51	2,913.21	1.26	2,353.61
Multi-Family MTP (HTR)	1.13	2,847.08	1.16	3,125.76
Targeted Low Income MTP	2.81	3,385.35	2.19	2,701.90
TOTAL	160.96	168,546.29	141.50	162,521.13

IV. Program Budgets

Table 6 presents total projected budget allocations require to achieve the projected demand and energy savings for calendar years 2015 and 2016. 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 2015 and 2016	2015			2016		
	Incentives	Admin	Total Budget	Incentives	Admin	Total Budget
Large Commercial	\$17,225,000	\$1,972,800	\$19,197,800	\$16,000,000	\$1,504,850	\$17,504,850
Large Commercial SOP	\$7,000,000	\$1,031,000	\$8,031,000	\$6,500,000	\$732,000	\$7,232,000
Commercial MTP	\$3,650,000	\$385,100	\$4,035,100	\$3,750,000	\$330,100	\$4,080,100
Large Commercial Load Management SOP	\$3,600,000	\$263,000	\$3,863,000	\$3,000,000	\$239,000	\$3,239,000
Retro-Commissioning MTP	\$950,000	\$115,800	\$1,065,800	\$700,000	\$102,250	\$802,250
Sustainable Schools MTP	\$375,000	\$32,500	\$407,500	\$375,000	\$21,500	\$396,500
REP MTP	\$400,000	\$45,800	\$445,800	\$425,000	\$20,250	\$445,250
Pool Pump Pilot	\$250,000	\$35,600	\$285,600	\$250,000	\$13,000	\$263,000
Data Centers Pilot	\$1,000,000	\$64,000	\$1,064,000	\$1,000,000	\$46,750	\$1,046,750
Residential and Small Commercial	\$12,000,000	\$1,387,500	\$13,387,500	\$11,050,000	\$973,400	\$12,023,400
ENERGY STAR® Homes MTP	\$3,500,000	\$478,000	\$3,978,000	\$3,500,000	\$342,000	\$3,842,000
Residential & SC SOP	\$500,000	\$86,300	\$586,300	\$500,000	\$80,300	\$580,300
Advanced Lighting Residential	\$600,000	\$65,700	\$665,700	\$900,000	\$55,250	\$955,250
A/C Distributor MTP	\$1,700,000	\$250,800	\$1,950,800	\$1,500,000	\$197,000	\$1,697,000
Retail Electric Provider MTP	\$3,500,000	\$302,600	\$3,802,600	\$3,000,000	\$167,800	\$3,167,800
Multi-Family MTP (RES)	\$800,000	\$70,200	\$870,200	\$650,000	\$49,250	\$699,250
Pool Pump Pilot	\$750,000	\$69,400	\$819,400	\$500,000	\$19,800	\$519,800
Energy Wise Resource Action MTP	\$650,000	\$64,500	\$714,500	\$500,000	\$62,000	\$562,000
Hard-to-Reach	\$5,500,000	\$684,700	\$6,184,700	\$4,950,000	\$667,550	\$5,617,550
Hard-to-Reach SOP	\$1,000,000	\$173,600	\$1,173,600	\$1,000,000	\$227,500	\$1,227,500
Multi-Family MTP (HTR)	\$800,000	\$72,200	\$872,200	\$650,000	\$47,650	\$697,650
Targeted Low Income MTP	\$3,700,000	\$438,900	\$4,138,900	\$3,300,000	\$392,400	\$3,692,400
SUB TOTAL	\$34,725,000	\$4,045,000	\$38,770,000	\$32,000,000	\$3,145,800	\$35,145,800
R&D	\$0	\$350,000	\$350,000	\$0	\$250,000	\$250,000
PROGRAM TOTAL	\$34,725,000	\$4,395,000	\$39,120,000	\$32,000,000	\$3,395,800	\$35,395,800
EM&V¹⁰			\$940,615			\$549,065
EECRF PROGRAM TOTAL			\$40,060,615			\$35,944,865

¹⁰ 2015 EM&V Costs reflect what is being collected in the 2015 EECRF for Program Year 2014's evaluation. 2016 EM&V Costs reflect an estimate of Program Year 2015's evaluation costs which will be collected in the 2016 EECRF.

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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 (2010 – 2014). Each value was calculated using the methods outlined in Substantive Rule § 25.181.

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

Calendar Year	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)
2014	55.73	97,639.00	159.19	153,170.39
2013	54.85	96,088.00	195.97	160,106.74
2012	39.20	68,693.82	175.40	130,617.00
2011	39.21	68,694.00	110.24	146,092.00
2010	39.21	68,694.00	120.98	139,665.00

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

Table 8 breaks out the projected savings, verified savings, and reported and verified savings by customer class for each program. The projected savings were reported in the Energy Efficiency Plan filed in April of 2014. The reported and verified savings are those savings that have been achieved and verified in 2014 calendar year.

Table 8: 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
Large Commercial	119.85	107,917.29	130.62	88,180.71	130.62	88,180.71
Large Commercial SOP	13.35	72,892.73	10.88	64,311.63	10.88	64,311.63
Commercial MTP	3.20	13,350.00	3.55	13,941.10	3.55	13,941.10
Large Commercial Load Management 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
Residential and Small Commercial	22.02	65,861.38	23.54	58,386.83	23.54	58,386.83
ENERGY STAR® 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
Home Performance with ENERGY STAR® MTP	0.06	133.01	0.02	54.17	0.02	54.17
Retail Electric Provider Pilot MTP	3.21	8,275.06	6.53	7,884.49	6.53	7,884.49
Multi-Family MTP (RES)	1.23	8,067.57	0.85	2,273.10	0.85	2,273.10
Pool Pump Pilot	1.05	1,732.87	0.20	369.08	0.20	369.08
Energy Wise Resource Action MTP	0.67	4,385.61	0.46	2,243.02	0.46	2,243.02
Hard-to-Reach	6.92	11,104.74	5.03	6,602.85	5.03	6,602.85
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 (Agencies in Action) MTP	3.53	4,254.56	3.63	4,487.29	3.63	4,487.29
TOTAL	148.79	184,883.40	159.19	153,170.39	159.19	153,170.39

Table 9: Projected Savings versus Reported and Verified Savings for 2013 (at Meter)

Programs by Customer Class for 2013	2013					
	Projected Savings		Verified Savings		Reported / Verified	
	MW	MWh	MW	MWh	MW	MWh
Large Commercial	185.30	100,407.03	172.44	104,615.15	172.03	103,051.17
Large Commercial SOP	11.17	58,726.00	12.58	68,705.00	13.10	68,468.72
Commercial MTP	9.14	30,431.00	3.27	16,101.97	2.77	19,368.63
Large Commercial Load Management SOP	162.86	651.43	153.04	459.12	153.04	459.12
Retro-Commissioning MTP	1.52	6,658.00	2.06	14,793.66	1.64	10,199.31
Advanced Lighting Commercial	0.19	2,100.60	0.36	2,556.42	0.36	2,556.42
Sustainable Schools Pilot ¹⁸	0.42	1,840.00	0.16	392.34	0.16	392.34
REP Pilot Program	N/A	N/A	0.96	1,606.62	0.96	1,606.62
Residential and Small Commercial	14.44	36,909.75	16.65	47,028.13	16.65	47,028.13
ENERGY STAR® Homes MTP	6.54	17,195.00	10.80	27,260.05	10.80	27,260.05
Residential & SC SOP	0.69	1,200.00	0.76	1,535.24	0.76	1,535.24
Advanced Lighting Residential	0.13	1,400.40	0.22	2,394.15	0.22	2,394.15
A/C Distributor MTP	1.58	4,988.00	1.90	6,055.49	1.90	6,055.49
Home Performance with ENERGY STAR® MTP	0.50	876.00	0.09	199.90	0.09	199.90
Retail Electric Provider Pilot MTP	4.05	7,984.62	2.01	5,192.29	2.01	5,192.29
Multi-Family MTP (RES)	0.30	1,436.73	0.52	1,229.57	0.52	1,229.57
Energy Wise Resource Action MTP	0.65	1,829.00	0.35	3,161.45	0.35	3,161.45
Hard-to-Reach	2.69	7,410.27	6.46	8,854.13	6.46	8,854.13
Hard-to-Reach SOP	1.66	3,391.00	1.50	2,807.86	1.50	2,807.86
Multi-Family MTP (HTR)	0.06	294.27	0.06	147.17	0.06	147.17
Targeted Low Income (Agencies in Action) MTP	0.97	3,725.00	4.90	5,899.09	4.90	5,899.09
TOTAL	202.43	144,727.05	195.54	160,497.41	195.13	158,933.43

VII. Historical Program Expenditures

This section documents CenterPoint Houston's incentive and administration expenditures for the previous five years (2010 – 2014) broken out by program for each customer class.

Table 10: Historical Program Incentive and Administrative Expenditures (2010 – 2014)¹¹

Historical Statutory Program Funding by Customer Class	2014			2013			2012			2011			2010		
	Incentives	Admin		Incentives	Admin		Incentives	Admin		Incentives	Admin		Incentives	Admin	
Large Commercial	\$14,527,295	\$2,099,744		\$17,014,058	\$1,818,911		\$15,322,812	\$1,840,794		\$13,470,138	\$1,371,096		\$11,343,328	\$1,196,594	
Large Commercial SOP	\$6,335,962	\$1,067,458		\$6,597,644	\$954,748		\$6,118,676	\$1,113,955		\$7,135,658	\$827,522		\$5,134,285	\$650,943	
Retro-Commissioning MTP	\$260,367	\$42,535		\$924,415	\$98,467		\$728,186	\$98,953		\$911,694	\$197,955		\$940,596	\$110,454	
Texas SCORE MTP (Commercial MTP)	\$3,015,795	\$390,724		\$2,933,764	\$230,852		\$2,175,141	\$248,361		\$2,573,968	\$173,145		\$2,328,447	\$232,255	
Large Commercial Load Management SOP	\$3,506,366	\$385,804		\$5,221,196	\$350,800		\$5,625,000	\$303,369		\$2,848,818	\$172,474		\$2,940,000	\$202,942	
Sustainable Schools															
A advanced Lighting Program	\$319,547	\$54,029		\$209,070	\$31,015		\$74,196	\$10,803							
Advanced Lighting Program	\$601,336	\$106,177		\$632,539	\$111,449		\$601,613	\$65,353							
REP Pilot Program	\$487,922	\$33,017		\$495,429	\$41,581										
Residential and Small Commercial	\$10,275,021	\$1,191,425		\$9,173,682	\$960,688		\$8,991,307	\$1,094,181		\$6,987,624	\$1,323,648		\$6,326,842	\$576,141	
ENERGY STAR® Homes MTP	\$4,064,036	\$453,208		\$3,474,935	\$318,973		\$3,513,219	\$354,435		\$4,291,355	\$253,960		\$3,475,535	\$315,323	
Residential SOP	\$254,477	\$41,153		\$387,886	\$70,664		\$500,874	\$83,866		\$492,083	\$208,782		\$355,817	\$55,643	
Advanced Lighting Program	\$772,689	\$79,250		\$440,152	\$37,808		\$415,568	\$43,568		\$565,282	\$89,277		\$506,617	\$64,903	
Multi-Family MTP (RES)	\$472,690	\$69,155		\$252,600	\$46,153		\$347,050	\$50,050		\$15,200	\$2,825		\$18,600	\$2,552	
A/C Distributor Program	\$1,906,639	\$222,637		\$1,548,290	\$171,697		\$1,642,142	\$191,096		\$1,586,152	\$151,498		\$1,780,779	\$116,152	
Pool Pump Pilot	\$83,400	\$13,402		N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
Energy Wise Resource Action MTP	\$666,317	\$76,484		\$749,997	\$47,823		\$538,740	\$47,476		\$0	\$602,370				
Retail Electric Provider Pilot MTP	\$1,951,523	\$212,063		\$1,568,860	\$131,673		\$1,384,156	\$254,125		N/A	N/A		N/A	N/A	
Home Performance with ENERGY STAR®	\$103,250	\$24,073		\$750,962	\$135,897		\$649,558	\$69,565							
Community Weatherization (RES)															
City of Houston Weatherization (RES)															
Hard-to-Reach	N/A	N/A		N/A	N/A		N/A	N/A		\$6,664	\$3,975		\$189,494	\$21,567	
Hard-To-Reach SOP	\$6,386,605	\$749,652		\$7,492,187	\$627,394		\$5,551,440	\$535,801		\$6,411,548	\$699,293		\$7,383,333	\$771,337	
Multi-Family MTP (HTR)	\$606,341	\$116,108		\$933,114	\$173,248		\$1,702,481	\$195,053		\$1,714,238	\$278,988		\$1,647,077	\$200,539	
Res HTR - Afford Home	\$279,358	\$38,918		\$50,400	\$9,435		\$63,200	\$9,114		\$341,650	\$63,507		\$181,200	\$24,865	
Targeted Low Income/A agencies in Action MTP	\$20,295	\$3,591		\$62,400	\$13,040		\$49,985	\$5,727		\$41,248	\$0		\$56,153	\$8,781	
TDHCA Low-Income Weatherization (SB-712)	\$5,480,611	\$591,035		\$6,446,273	\$431,671		\$3,735,774	\$325,907		\$3,612,188	\$146,179		\$3,282,998	\$284,018	
Rebuilding Together Houston										\$360,440	\$74,381		\$364,098	\$49,228	
Community Weatherization (HTR)										N/A	N/A		\$957,927	\$102,171	
City of Houston Weatherization (HTR)										\$61,890	\$36,915		N/A	N/A	
										\$279,895	\$99,322		\$893,880	\$101,735	
R&D	\$0	\$435,563		\$0	\$1,196,274		\$0	\$1,422,482		\$0	\$1,402,351		\$0	\$1,282,626	
TOTAL	\$31,188,921	\$4,476,384		\$33,679,927	\$4,603,267		\$29,865,559	\$4,893,258		\$26,869,310	\$4,796,388		\$25,053,503	\$3,826,698	

¹¹ 2014 actual spending taken from Table 11 in the current EEP; 2013 actual spending from the 2014 EEP filed under Project No. 42264; 2012 actual spending from the 2013 EEP filed under Project No. 41196; 2011 actual spending from the 2012 EEP filed under Project No. 40194; 2010 actual spending from Energy Efficiency Report (EER) filed under Project No. 39105.

VIII. Program Funding for Calendar Year 2014

As shown on Table 11, CenterPoint Houston spent a total of \$35,665,305 on energy efficiency programs in 2014. This was \$3,639,796 less than the Company's adjusted budget of \$39,305,100. Changes to individual program budgets that resulted in greater than 10% increases or decreases are described below.

Retro-Commissioning MTP had a transitional year as we moved away from accruing project savings and incentives. We continued to enroll new projects in 2014 but the incentive dollars and savings will be reported in the year the projects are completed. As a result, only 24% of the program budget was spent. The commercial portion of the REP MTP saw a substantial increase in participation and was able to spend 138% of the original budget. The Hard-to-Reach SOP spent 37% of the original budget due to project sponsors difficulties with the new leakage-to-outside testing requirements. This also affected the Residential SOP resulting in a 50% budget underrun. Residential Advanced Lighting was able to use additional funds from other residential projects to offer additional in-store promotions throughout the year and spend an extra 28% of the program budget. The REP Pilot Program underspent by about 19% due to delays in REP participation and cooler weather. Home Performance with ENERGY STAR[®] was cancelled in 2014. The incentive budget was allocated to cover the homes that had already enrolled in the program prior to cancellation, but these homes only spent approximately 24% of the allocated budget. The Pool Pump Pilot program had a slow start in 2014 and was only able to spend 17% of the intended budget. The Multi-family MTP spending was lower than expected in both residential and hard to reach due to a delay in construction projects. The Agencies in Action (Targeted Low Income) MTP spending increased by 19% due to additional funds reallocated from other low-income programs. Research and Development programs overspent their cumulative budget by 45% in 2014 due to accelerated schedules. These accelerated spending schedules were approved in the second half of the year in order to utilize the additional funds created by underspending in other programs.

Table 11: Program Funding for Calendar Year 2014

Program Funding for Calendar Year 2014	Number of Customers	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	1,070	\$18,373,100	\$14,527,295	\$2,099,744	\$16,627,039	\$0	-\$1,746,061	90%
Large Commercial SOP	294	\$8,034,100	\$6,335,962	\$1,067,458	\$7,403,420	\$0	-\$630,680	92%
Commercial MTP	36	\$3,766,400	\$3,015,795	\$390,724	\$3,406,519	\$0	-\$359,881	90%
Large Commercial Load Management SOP	243	\$3,851,600	\$3,506,366	\$385,804	\$3,892,170	\$0	\$40,570	101%
Retro-Commissioning MTP	0	\$1,241,600	\$260,367	\$42,535	\$302,902	\$0	-\$938,698	24%
Advanced Lighting	10	\$691,100	\$601,336	\$106,177	\$707,513	\$0	\$16,413	102%
Sustainable Schools	4	\$396,300	\$319,547	\$54,029	\$373,576	\$0	-\$22,724	94%
REP Pilot Program	483	\$392,000	\$487,922	\$53,017	\$540,939	\$0	\$148,939	138%
Residential and Small Commercial	16,573	\$12,844,400	\$10,275,021	\$1,191,425	\$11,466,446	\$0	-\$1,377,954	89%
ENERGY STAR® Homes MTP	9,694	\$4,494,500	\$4,064,036	\$453,208	\$4,517,244	\$0	\$22,744	101%
Residential SOP	19	\$583,400	\$254,477	\$41,153	\$295,630	\$0	-\$287,770	51%
Advanced Lighting	N/A	\$664,100	\$772,689	\$79,250	\$851,939	\$0	\$187,839	128%
A/C Distributor Program	7	\$1,954,700	\$1,906,639	\$222,637	\$2,129,276	\$0	\$174,576	109%
Home Performance with ENERGY STAR®	14	\$532,500	\$103,250	\$24,073	\$127,323	\$0	-\$405,177	24%
Retail Electric Provider Pilot MTP	6,778	\$2,672,700	\$1,951,523	\$212,063	\$2,163,586	\$0	-\$509,114	81%
Energy Wise Resource Action Program	54	\$723,000	\$666,317	\$76,484	\$742,801	\$0	\$19,801	103%
Multi-Family MTP (RES)	7	\$664,600	\$472,690	\$69,155	\$541,845	\$0	-\$122,755	82%
Pool Pump Pilot	106	\$554,900	\$83,400	\$13,402	\$96,802	\$0	-\$458,098	17%
Hard-to-Reach	1,381	\$7,787,600	\$6,386,605	\$749,652	\$7,136,257	\$0	-\$651,343	92%
Hard-to-Reach SOP Program	17	\$2,010,500	\$626,636	\$119,699	\$746,335	\$0	-\$1,264,165	37%
Multi-Family MTP (HTR)	2	\$663,600	\$279,358	\$38,918	\$318,276	\$0	-\$345,324	48%
Targeted Low Income (Agencies in Action) MTP	1,362	\$5,113,500	\$5,480,611	\$591,035	\$6,071,646	\$0	\$958,146	119%
SUB TOTAL	19,024	\$39,005,100	\$31,188,921	\$4,040,821	\$35,229,742	\$0	-\$3,775,359	90%
R&D	0	\$300,000	\$0	\$435,563	\$435,563	\$0	\$135,563	145%
TOTAL	19,024	\$39,305,100	\$31,188,921	\$4,476,384	\$35,665,305	\$0	-\$3,639,796	91%

IX. Market Transformation Program Results

Commercial MTP

The primary objective of the SCORE/CitySmart MTP is to achieve peak demand and energy savings by providing K-12, higher education, cities and counties and state governmental agencies a way help to reduce energy costs, offset project costs to move to more efficient equipment, provide infrastructure improvements, and optimize work environments in their buildings. Non-cash incentives such as benchmarking and Energy Master Planning are also offered to participants to show how their facilities are performing and what steps they need to take to reduce their energy consumption.

In 2014, the program paid incentives to 23 school districts, 2 private schools, 3 higher education facilities, 6 cities, one county, and 2 state agencies. Lighting and HVAC replacements represented a majority of the projects that were incentivized in 2014. VFD's on air handling units as well as custom M&V projects were also incentivized in the program. Towards the end of 2014, CenterPoint Houston and the third party implementer began offering the program to non-profits and faith-based facilities. The program has already gained projects for these new sectors for 2015.

The 2014 Healthcare Energy Efficiency Program (HEEP) was added to the Commercial MTP to help healthcare providers identify energy efficiency opportunities in existing and newly planned facilities. The HEEP program is designed for healthcare facilities including clinics, small hospitals (< 300 beds), assisted living/nursing care and medical offices within CenterPoint Houston's Service territory. The program provides monetary incentives to participants who implement eligible energy conservation measures.

Forty-three healthcare facilities participated in 2014 which included 23 hospitals, 7 clinics, 3 laboratories, 3 senior care facilities and 7 medical office buildings. Numerous energy conservation measures including lighting retrofits, chiller replacements, variable frequency drives (VFD's), and operational recommendations were identified.

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%; 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 2014, the RCx program continued to make the transition to the new program format and to finish up older projects that had been accrued from previous years. Due to the previous year true-ups and the transition to the new program format, no savings were reported for 2014, although sixteen projects are currently active and expected to provide savings in 2015.

Advanced Lighting Commercial MTP

The commercial program provides customer incentives based on energy and demand savings from the installation of outdoor LED lighting fixtures in parking garages, parking lots, and other outdoor locations. All LED products in the program must be certified by Design Lights Consortium (DLC). The DLC is an industry standard used by manufacturers to list those products that have passed the rigorous tests necessary to be considered high efficiency bulbs. For 2014, program participation was excellent; the program was sold out by the end of January, with over 40 commercial sites installing LEDs. This program will not continue in 2015; however, incentives for outdoor LEDs will be offered thru the Commercial Standard Offer Program.

Sustainable Schools MTP

The Sustainable Schools pilot MT program is a comprehensive energy education and conservation program that targets physical science high school students and teachers. In 2014, 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. In 2014, the program worked with a large district in our service territory and was able to benchmark all of their high schools to see which ones were eligible for the program and gained savings from all eligible high schools for implementing the recommended

operational changes. The behavioral portion of the program was implemented at a local private school in late 2014 and the program became a part of their curriculum. They performed an in depth energy audit of their school and involved faculty and students. The behavioral savings at this school will be captured in 2015 once all behavioral recommendations are implemented and final data is captured.

ENERGY STAR® New Homes MTP

The primary objective of this program is to achieve peak demand reductions and energy savings through increased sales of ENERGY STAR® homes. Additionally, the program is designed to condition the market so that consumers are aware of and request ENERGY STAR® homes and products. Since the release of Version 3, many builders have moved away from building ENERGY STAR® due to increased costs that the new requirements have caused. CenterPoint Houston allows non- ENERGY STAR® builders into the program but they do not receive the ENERGY STAR® bonus incentive.

In 2014, CenterPoint Houston's ENERGY STAR® New Home MTP incentivized 9,694 homes under a new incentive structure based on kWh savings instead of measure based incentives. This gave builders flexibility to install a combination of energy efficient measures and receive incentives based on actual kWh saved for all measures combined. In order to continue transforming the market while helping builders control costs, an additional incentive was given to homes that were built according to ENERGY STAR® requirements as well as builders who exceeded a certain percentage above baseline program requirements. CenterPoint Houston and the program implementer also offered sales training to ENERGY STAR® builders to help educate them on ENERGY STAR® building practices , as well as offering tips how best to sell an ENERGY STAR® home. CenterPoint Houston, along with three other Texas utilities, began working with the program's implementer on a baseline study of homes in our service territory. These results should be finalized and provided to us in April/May 2015 and will be presented to the EM&V team for review.

The Predictive Savings Tool (PST) used to determine the savings achieved in each home was updated to reflect the following:

- City of Houston energy code updates, and expected statewide changes.
- The inputs of the program reference home in the form of a UDRH file

- Reflect improving baseline standards throughout the local market area.
- Redesign incentive structure to pay for actual kWh saved by all measures combined in a home versus incentivizing a predetermined set of measures separately.

Advanced Lighting Residential MTP

The residential program provides a point-of-sale discount applied to the purchase of qualified LED products at all Houston area Home Depots, Lowe's, Costco, and Sam's Club stores. For 2014, discounts started at 20% off the MSRP, but were lowered to 10% after the first few months due to high sales. Sales data is provided by the manufacturers, so the customer is not required to fill out any rebate forms. Only selected ENERGY STAR® products are eligible, available in numerous sizes, styles and manufacturers. In 2014 over 168,000 LED units were sold in over 70 stores. The residential program will continue in 2015 and will offer a large selection of LED products, as the technology continues to improve and spread into more applications.

A/C Distributor MTP

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 in single-family and multi-family homes within CenterPoint Houston's service territory.

CenterPoint Houston and a third party implementer held A/C dealer training sessions with each distributor in order to educate various A/C dealers on how to participate with their distributors. The A/C system baseline is currently a 13 SEER and A/C dealers who try to sell a higher efficiency product (>16 SEER), have trouble upselling when the baseline product is much cheaper. The dealer training sessions provide a separate presentation on marketing high efficiency units and how to find the best market segment for potential buyers to help participating dealers sell units above the current baseline. CenterPoint Houston began the 2014 program year with the same requirements for the 2013 program year (>16 SEER/12 EER). The new change for 2014 was that the incentives were lowered for 16 SEER and incentives were raised for 17 SEER and higher. Each distributor was asked for their sales history in 2013 and their sales prediction for 2014 broken out by SEER level in order to accurately distribute funds throughout the program. Once the results were in, the same requirements for the 2013 program year were still viable for the 2014 program year.

The 2014 program had nine participating A/C Distributors and seven of the nine distributors exceeded their original contract amount. This verified the decision to keep the 2013 requirements in place and continue to aid in transforming the market to higher efficiency A/C units.

REP MTP - Coolsaver

The Coolsaver portion of the REP MTP program provided free comprehensive air conditioning tune-ups to residential and small commercial customers in the CenterPoint Houston service territory. The program was marketed through twelve participating retail electric providers and tune-ups were performed by twenty specially trained A/C contractors. The participating Retail Electric Providers included Ambit Energy, Brilliant Energy, Champion Energy, Clearview Energy, Discount Power, Gexa Energy, Green Mountain Energy, Just Energy, Amigo Energy, Tara Energy, V247 Power and Reliant Energy. As a result, 4,732 residential A/C tune-ups were completed and 1,961 commercial A/C tune-ups were performed in 2014.

CenterPoint Energy Houston Electric launched an online website called “Efficiency Connection” in Q4 2014 to promote and deliver LED bulbs at a reduced price. The program was marketed by five participating REPs and yielded 2,994 Energy Star rated LED bulbs in 2014. The participating Retail Electric Providers included Just Energy, Amigo Energy, Tara Energy, Champion Energy, and Reliant Energy.

In 2015 the Coolsaver program will no longer offer incentives for A/C replacements.

During the summer of 2014, two 3rd party companies, COMCAST and Earth Networks, participated in a residential demand response program as part of the REP MTP. The participants enrolled customers who had a wi-fi enabled programmable thermostat installed in their home. COMCAST recruited 139 customers and Earth Networks recruited 2,479 customers. Four, three- hour demand response events were initiated by CenterPoint Energy Distribution Dispatch personnel during the summer peak period using the Send Word Now notification system. The demand response events yielded an average kW reduction of 1.5 kW per home (Earth Networks) and 1.18 kW per home (COMCAST).