



Compilation of U.S. Energy Efficiency Program Profiles

June 2009



INSTITUTE FOR
Electric Efficiency

*Advancing energy-efficiency practices and
demand response among electric utilities.*



Compilation of U.S. Energy Efficiency Program Profiles

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As we significantly increase our investments in energy efficiency nationwide, it is critical to take advantage of the wide array of existing energy efficiency programs, knowledge, and expertise. The Institute for Electric Efficiency is providing this energy efficiency program summary to the public as a resource. In addition to providing multiple program summaries for each of five commercial and industrial categories and five residential categories, where possible, web links are provided.

These summaries were compiled from program information provided on a voluntary basis by member utilities of the Institute for Electric Efficiency, the American Council for an Energy-Efficient Economy's (ACEEE) [*Compendium of Champions*](#)¹, and the Consortium for Energy Efficiency's (CEE) [energy efficiency program summaries page](#). This is an extensive, but non-comprehensive, list of recent energy efficiency programs (2005-2008), with the majority of profiles from 2007 and 2008. The list will be regularly updated as information becomes available.

Note that an important distinction between the ACEEE and CEE summaries is that the *Compendium of Champions* reports on the past performance of select exemplary programs, while the program summaries from CEE report on program budgets and goals. CEE aims to collect an exhaustive catalogue of profiles by category and does not rank or select programs based on performance.

If you administer an energy efficiency program that you would like to have included in this compilation, please contact Matt McCaffree at the Institute for Electric Efficiency, 202.508.5551.

¹ York, D., Kushler, M. & White, P. "Compendium of Champions: Chronicling Exemplary Energy Efficiency Programs from Across the U.S." American Council for an Energy-Efficient Economy, February 2008

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Small Commercial

End-use Category

Small Commercial

Program Name

Small Business Energy Advantage

Administrator

The Connecticut Light and Power Company, The United Illuminating Company,
Connecticut Energy Efficiency Fund

Overview

The Small Business Energy Advantage program (SBEA) takes a collaborative approach to providing commercial customers with less than 200 kW of demand with cost-effective, turn-key energy-saving services. Funded by the Connecticut Energy Efficiency Fund and administered by CL&P and UIC, SBEA actively recruits business that could benefit from energy efficiency upgrades but are unlikely or unable to do so themselves, providing them with no-cost energy audits, incentives of up to 40% of the installed costs, and making available interest-free financing of remaining balances for up to 36 months. This combination of features increases the number of efficiency measures with neutral or positive cash flow for customers for quick and continuous cost and energy savings. In 2008 SBEA completed 1,999 projects with an annual system demand savings of 10.4 MW, an annual customer energy savings of 46.7 MWh, and lifetime customer savings of 557 MWh.

Source URL

<http://www.aceee.org/pubs/u081/small-bus.pdf>

End-use Category

Small Commercial

Program Name

Small Business Energy Services Energy Efficiency Program

Administrator



National Grid

Overview

National Grid provides direct retrofit installation of energy efficient measures to commercial and industrial customers with average monthly demand less than 200 kW, targeting fluorescent ballasts, lamps, and fixtures; hard-wired and screw-in CF systems; high intensity discharge systems; occupancy sensors; LED retrofit kits; evaporator/compressor controls for walk-in coolers and freezers, fan and door heater control devices; night setbacks; air compressor replacements; energy management systems; insulation; and air sealing. National Grid pays 80% of the project cost in Massachusetts and New Hampshire and 75% in Rhode Island. Customers are responsible for the remaining percentage and may choose a single payment of 85% of their co-pay or 12 or 24 month interest-free financing. In 2006 more than 1625 projects were completed saving more than 23,000 MWh annually for customers, 5.4 MW of demand, and approximately 14,500 metric tons of carbon dioxide emissions.

Source URL

<http://www.aceee.org/pubs/u081/small-bus.pdf>

End-use Category

Small Commercial

Program Name

Small Business Direct Install Program

Administrator

Consolidated Edison

Overview

The Small Business Direct Install Program will enable retrofits and change-outs of existing energy consuming equipment in small businesses with monthly peak demands of 100 KW or less. Con Edison will offer a free on-site energy survey and specific energy efficiency measures at no cost to participants, and will cover up to 70% of the incremental cost of the measure in the case of more costly upgrades. Efficiency measures to be emphasized include CFL replacements, HVAC retro-commissioning, programmable thermostats, high-efficiency lighting packages and vending machine controls to be installed on a turn-key basis by independent contractors. Con Edison will launch in June

2009 with an expected savings target of 79,057 MWh in 2009, and continue these offerings through 2011, for a total reduction of 289,875 MWh.

Source URL

www.coned.com

End-use Category

Small Commercial (See also: Residential Home Performance)

Program Name

Residential & Small Commercial SOP

Administrator

CenterPoint Energy

Overview

This program targets residential and small commercial participants with maximum demand less than 100 kW. Incentives are paid to program sponsors who locate eligible customers and install energy efficiency measures which provide verifiable demand and energy savings. Eligible measures include, but are not limited to, air conditioning duct sealing, weatherization, and ceiling insulation.

Source URL

<http://centerpointefficiency.com>

End-use Category

Small Commercial

Program Name

Small Commercial Programs

Administrator

Baltimore Gas & Electric

Overview

These programs are being launched by May 2009. There are two programs targeting small commercial customers: prescriptive and direct install programs. The Prescriptive program encourages customers whose equipment has failed to replace it with higher efficient equipment. It provides incentives covering 50% to 75% of incremental costs for lighting fixtures, occupancy sensors, LED exit signs, efficient motors, and vending machines. The Direct Install program is designed to attract customers to proactively replace existing functioning equipment that is inefficient. It features an 80% incentive level (based on total job cost). As implied by the name, pre-selected qualified contractors are responsible for the assessment of current equipment and installation of replacement equipment. They will run from 2009-2011, with a budget of \$17.1M and expected energy savings of 88,100 MWh.

Source URL

www.BGESmartEnergy.com

Commercial & Industrial Lighting

End-use Category

C&I Lighting

Program Name

One-Stop Efficiency Shop Lighting Rebate Program, Lighting Efficiency

Administrator

Xcel Energy

Overview

Part of Xcel Energy's Conservation Improvement Program, One-Stop is designed to save energy through the installation of energy-efficient lighting retrofits targeted at small businesses with electric demand of 400 kW or less. One-Stop's success is due to its combination of incentives, below-market rate financing, technology, marketing, verification, objective recommendations, and credibility. Since the program's inception in 2000, One-Stop has retrofitted 2553 businesses saving 30,670kW and 114,100,000 kWh, paid an average of 45% of project costs, and maintained a 94% customer satisfaction rating.

Under the Lighting Efficiency program Xcel Energy provides rebates to commercial and industrial customers who purchase and install qualifying lighting equipment for new

construction or retrofit projects to offset the incremental cost of higher efficiency equipment. Non-qualifying energy-saving projects are evaluated on case by case basis and can receive up to \$200/kW saved. The program also offers consulting services and a Business Solutions Center to answer conservation questions from customers, and a newly added Lighting Redesign Study based on the findings that many older spaces were designed with lighting levels up to four times higher than needed given the prevalence today of vertical, backlit computer screens. From 2002-2006 Lighting Efficiency has served almost 4,500 customers and has saved 273,019,485 kWh and reduced demand by 52,446 kW. Process and impact evaluation for the program, performed in 2005, indicates outstanding market saturation and customer satisfaction.

Source URL

<http://www.aceee.org/pubs/u081/ci-lighting.pdf>

End-use Category

C&I Lighting

Program Name

Bright Ideas Commercial Lighting

Administrator

Efficiency New Brunswick

Overview

Bright Ideas Commercial Lighting uses an upstream, distributor-oriented approach to commercial efficiency, providing incentives to lighting distributors for each unit of qualifying efficient lighting equipment sold for installation in a non-residential facility based on the average incremental cost of each technology. Bright Ideas has focused on HPT8 technology and distributors in large part due to Efficiency NB's lack of experience in the commercial sector and in lighting efficiency and the upstream approach has allowed them to maximize market influence while contracting with a limited number of market actors (the 8 unique lighting distributors in their area). Bright Ideas couples this upstream approach with education, training, and outreach for design professionals, contractors, and end users. In its first six months, the program has accounted for the sale of 3,000 HPT8 lamps, 30,000 RWT8 lamps, and 4,800 HPT8 premium ballasts. At this rate of penetration, estimated annual energy savings total 3,500 MWh.

Source URL



<http://www.aceee.org/pubs/u081/ci-lighting.pdf>

End-use Category

C&I Lighting

Program Name

New York Energy Smart Small Commercial Lighting Program

Administrator

New York State Energy Research and Development Authority

Overview

The Small Commercial Lighting Program (SCLP) is a market transformation program that provides training, resources, guidance, and incentives to mid-market allies for designing and installing energy efficient lighting in spaces less than 25,000 square feet. Allies are given education and training in efficient technologies and practices, access to account managers who provide assistance, and a portfolio of incentives and awards paid for qualifying designs and completed projects. The program blends training, education, technical and design assistance, incentives, and multi-faceted marketing to break the mold of prescriptive rebate programs and recruit and retain participants. SCLP has partnered with over 700 trade ally companies on over 750 quality lighting design projects covering nearly 6 million square feet, reducing peak demand by over 9.6 MW and energy consumption by nearly 38 GWh, all with an average benefits to cost ratio of 2.5 excluding non-energy impacts and 3.8 with non-energy impacts included.

Source URL

<http://www.aceee.org/pubs/u081/ci-lighting.pdf>

End-use Category

C&I Lighting

Program Name

Commercial Tax Incentive Program

Administrator

Georgia Power Company

Overview

Program provides a free baseline audit of customers' facilities related to identifying ways for the customer to improve energy efficiency especially with lighting improvements. Customers are made aware of federal tax incentives from the Energy Policy Act of 2005 and state tax incentives for similar improvements. The program is a pilot program but for the past two years, more than 2,650 assessments have been completed with 256 customers making improvements.

Source URL

www.southernco.com

End-use Category

C&I Lighting

Program Name

Business Efficient Lighting Program

Administrator

Florida Power & Light Company

Overview

The Business Efficient Lighting (BEL) Program is designed to reduce FPL's business on-peak lighting loads and energy usage. This program encourages eligible business customers to install high efficiency, cost-effective lighting measures at time of replacement.

Through the BEL program, FPL will provide incentives to customers, or their designees, for the installation of high efficiency lighting retrofit measures. T8, T5, CFL's, and metal halides meeting requirements qualify for incentives. FPL makes business customers aware of this program through dealers, distributors, contractors, retail outlets and other trade allies, as well as direct contact with potential participants by FPL personnel.

In 2007, FPL assisted customers with the installation of almost 200 lighting retrofits resulting in a peak demand reduction of almost 5.5 MW.

Source URL

<http://www.fpl.com/business/savings/lighting.shtml>

Commercial & Industrial Buildings

End-use Category

C&I Buildings

Program Name

Design 2000plus (Massachusetts and Rhode Island) NH Saves @ Work (New Hampshire)

Administrator

National Grid

Overview

Design 2000plus targets opportunities for the installation of energy-efficient equipment in new construction, renovation, remodeling, and failed equipment replacement in large commercial, industrial, and government buildings early in the design phase by presenting a holistic “Comprehensive Design Approach” coupled with financial incentives designed to cover 60-90% of the incremental costs difference between standard and energy-efficient equipment as well as market transforming effects within the building design and construction communities. Since 1990, Design 2000plus has saved over 5,408 cumulative GWh and treated more than 12 million sq. ft of commercial space. Additional benefits of the program include the economic development of sustainable designers and builders and the resulting advances in better building practices.

Source URL

<http://www.aceee.org/pubs/u081/ci-new-const.pdf>

End-use Category

C&I Buildings

Program Name

Energy Design Assistance—Custom Consulting

Administrator

Xcel Energy

Overview

Energy Design Assistance (EDA) seeks to achieve peak demand reduction and energy savings in commercial and industrial facilities of at least 50,000 sq. ft. by offering integrated systems expertise, computer modeling, and a “whole building” approach during the design and construction phases of commercial and industrial new construction projects. In addition to technical assistance Xcel Energy provides its customers cash incentives of \$170-\$275 per peak summer kW reduced based on percent saved over energy code requirements after verification and pays direct compensation to the architectural and engineering teams for their participation in the process. In 2006, EDA achieved verified demand reduction of 14,079 kW and energy savings of 57,418,970 kWh for a savings of over \$5.6 million for its 77 electric projects.

Source URL

<http://www.aceee.org/pubs/u081/ci-new-const.pdf>

End-use Category

C&I Buildings

Program Name

Energy Incentives from We Energies Commercial & Industrial New Construction Program

Administrator

We Energies

Overview

Energy Incentives from We Energies Commercial & Industrial New Construction Program (EI) captures energy efficiency and peak load reduction opportunities through a comprehensive effort to influence design and construction of buildings as integrated systems with incremental improvements of efficiency in lighting, HVAC, and other building systems. The program has been designed to integrate market transforming activities into implementation while achieving near-term energy savings from active construction projects while moving program knowledge gained by designers and architects into their standard construction practices. EI resources have 4 main branches: (1) targeted education, information, and outreach on integrated design practices are provided to participants. (2) EI offers technical assistance to provide capabilities not yet fully adopted in the market. (3) Financial design incentives to the design team help offset

costs of developing designs. (4) Measure incentives to owners and developers help reduce cost barriers to adopting electric efficiency measures that are not yet standard practice. The program has completed more than 71 projects totaling 7.5 million sq. ft. and achieved 6800 kW and 20.3 million kWh in savings.

Source URL

<http://www.aceee.org/pubs/u081/ci-new-const.pdf>

End-use Category

C&I Buildings

Program Name

Energy Conscious Blueprint Program, Energy Opportunities Program

Administrator

The Connecticut Light and Power Company, The United Illuminating Company, Connecticut Energy Efficiency Fund

Overview

The Energy Conscious Blueprint (ECB) program seeks to influence energy efficient building practices before the construction phase by offering design-based incentives to architects, designers, and engineers whose designs exceed relevant ASHRAE building code baselines by 30% for lighting or exceed qualifying energy efficiency requirements on mechanical equipment along the full range of building end-uses. The program actively demonstrates how efficiency can be cost-effective by conducting professional seminars, lunch and learn sessions, and tradeshow appearances. In 2008 ECB completed more than 900 new construction projects. These projects saved Connecticut customers in 2008 more than 60 MWh of electricity, \$11 million in electric bills, and reduced peak demand by 10 MW.

The Energy Opportunities Program (EO) takes a collaborative approach to eliminate energy inefficiencies in a customers existing commercial facilities with demand greater than 150 kW by capturing retrofit opportunities at the time of retrofit design by (1) exchanging functioning yet inefficient equipment with higher efficiency equipment, (2) retrofitting existing equipment with energy-saving devices, modifications or controls, and (3) improving a facility's building shell or performance. EO retrofit services include co-funded studies on the cost-effectiveness of potential measures, studies to qualify emerging technologies, and cash incentives to cover implementation costs up to 50% of

the installed costs. The streamlines program marketing efforts and reduction in required management resources due to the collaboration between CL&P and UIC have allowed EO to deliver more energy-efficient retrofit services to customers, with close to 800 facilities served in 2008 for an annual saving of 18.4 MW and 115.5 GWh. Lifetime savings from these projects should yield about 1,500 GWh and net approximately \$259 million in customer benefits.

Source URL

<http://www.aceee.org/pubs/u081/ci-new-const.pdf>

End-use Category

C&I Buildings

Program Name

Business Energy Solutions: New Buildings

Administrator

Energy Trust of Oregon, Inc.

Overview

Business Energy Solution: New Buildings (BES) is a commercial new construction program that provides services and incentives along four separate program track offerings: (1) Standard Track: incentives for prescriptive energy saving measures. (2) Custom Track: incentives for custom designed building energy systems that result in reductions in energy use compared to the same building built to Oregon code/common practice. (3) LEEDTM-NC Track: incentives for projects achieving LEED-NC certification from the US Green Building Council, awarded based on energy and Atmosphere points achieved, building size and occupancy. (4) ENERGY STAR®: incentives awarded for building that acquire an ENERGY STAR rating from the EPA using the online Portfolio Manager tool. By the end of 2007 BES had completed approximately 440 projects and saved around 46.8 GWh of energy and 1.2 million therms of gas and had penetrated 12% of potential new commercial square footage.

Source URL

<http://www.aceee.org/pubs/u081/ci-new-const.pdf>

<http://www.energytrust.org/newbuildings/index.html>

End-use Category

C&I Buildings

Program Name

Sustainable Communities Program

Administrator

San Diego Gas & Electric Company

Overview

Targeting both residential multifamily new construction and non-residential new construction, the Sustainable Communities Program is designed to encourage sustainable development, promote green building design practices, and create a variety of demonstration sites that serve as models for future utility sustainable community programs in California. Incentives are available to either the building owner or builder/developer and are awarded based on rigorous eligibility standards including on-site renewable energy evaluations and 15% improvement on 2005 California energy efficiency standards, climate zone, residential status, size, energy saved, and LEED certification status. In the program's first year eleven projects were successfully completed, with 14 in progress in 2007. Of these 25 projects, annual energy savings exceed 3,528,265 kWh combined.

Source URL

<http://www.aceee.org/pubs/u081/ci-new-const.pdf>

End-use Category

C&I Buildings

Program Name

Energy FinAnswer and FinAnswer Express

Administrator

Rocky Mountain Power, Pacific Power

Overview



Energy FinAnswer offers simple, prescriptive incentives and vendor neutral, independent, technical services for common lighting, HVAC, premium efficiency motor and other measures in retrofit, new construction, or major renovation projects at no cost to the customer. Energy FinAnswer also provides design assistance and design team incentives for new construction and major renovation projects with verified 10% better than code performance. In 2006, Energy FinAnswer and FinAnswer Express saved customers in Washington and Utah about 100 GWh of energy while building vendor/contractor/supplier infrastructure and fostering the development of markets for energy engineering and related technical services, all with attractive benefit-to-cost ratios and one flexible program package that easily allows mid-stream conversion of projects that change in scope.

Source URL

<http://www.aceee.org/pubs/u081/ci-retro.pdf>

End-use Category

C&I Buildings

Program Name

Small Business Commercial & Industrial Services

Administrator

Alliant Energy (includes Wisconsin Power and Light, Interstate Power & Light

Overview

The Small Business, Commercial and Industrial Services program provides a full range of Business efficiency rebates and services. Rebates and incentives are available for lighting systems, water heaters, HVAC equipment and controls, windows, insulation, and motors. The program also trains and certifies building operators to maximize performance of EE investments. Custom rebates and performance contracting as well as lighting redesigns are available for industrial customers.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category



C&I Buildings

Program Name

Commercial Buildings Program

Administrator

Aquila

Overview

Aquila's Commercial Buildings program offers business customers in Iowa, Minnesota, and Missouri incentives to invest in energy efficient equipment and technology of a variety of sorts: boilers, radiant heaters, HVAC systems, ducting, building envelope, industrial process, water heaters, thermostats, burners and other cooking equipment, outdoor lighting services, and other emerging technologies. 2004 Program budget was \$1,310,160 in Minnesota, \$355,000 in Iowa, \$31,000 in Missouri. As of 2005, funding was stable in all three states, though budget cycles are different for all three states.

Source URL

http://www.cce1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Commercial Retrofit Programs: Small Business, Mid-Market, Public Agencies, Key Accounts

Administrator

Austin Energy

Overview

Austin Energy administers a portfolio of programs to target commercial building retrofits with a sector-based strategy. Each program incents a broad and generalized group of efficiency measures, concentrating their marketing services on economic niches. Equipment incentives and rebates of up to \$100,000 are available on selected technologies including but not limited to HVAC, lighting, building envelope, VFD, windows, chillers, ceiling/roof. Custom rebates are based on peak kW and kWh savings.

The programs also provide individualized energy audits, technical assistance on retrofits, 0% financing for lighting upgrades, and occasional discounts on energy efficient lighting.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Conservation & Renewables Discount (C&RD), Custom and Standardized Reimbursements

Administrator

Bonneville Power Administration

Overview

Conservation and Renewables Discount, C&RD, provides a credit on the customer's power bill for claims made from a list of qualifying energy efficiency measures or via specified verification protocols used for building efficiency projects.

ConAug offers a standard reimbursement rate of \$.12 per 1st year kW or 60% of the project cost, whichever is less. ConAug also has a standardized lighting rebate program. C&RD provides rate credits for selected measures based upon the value to the power system.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Standard Performance Contract

Administrator



Pacific Gas & Electric, San Diego Gas and Electric, and Southern California Edison

Overview

The Standard Performance Contract program offers an itemized measure, paid on a predetermined rate with no kWh savings calculation by the applicant is necessary. For all other measures not listed as an itemized measure, the payment is estimated by the kWh saved. Applicants are eligible to receive up to 50 percent of the total measure cost. Eligible equipment includes but is not limited to: lighting, controls and other equipment, air conditioning and refrigeration, food service equipment, and gas

Source URL

http://www.cce1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Express Efficiency, Upstream Motors and HVAC, Education and Training Programs

Administrator

Pacific Gas & Electric, San Diego Gas and Electric, and Southern California Edison

Overview

The Express Efficiency program provides energy management capability, with on-site energy audits and an online energy analyzer.

The Upstream Motors and HVAC program is an upstream rebate effort that provides financial incentives to distributors to stock and sell qualifying high efficiency products to increase market share of efficient technologies and drive market transformation towards greater end use efficiency.

PG&E, SDG&E, and SCE also facilitate training and certification for contractors, retailers, manufacturers, and distributors of energy efficiency equipment to develop future market potential for efficiency. This training increases production, stocking, and sales of energy efficiency products while increasing the quality of installation to capture potential savings.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Small Commercial and Industrial Retrofit, Medium and Large Commercial and Industrial Retrofit

Administrator

Cape Light Compact

Overview

Cape Light Compact's Small Commercial and Industrial Retrofit program targets C&I customer with less than 100 kW of demand. The program coordinates energy audits, providing 100 percent reimbursement of all costs. Equipment rebates are then available, based on the incremental equipment and labor costs of installing efficient measures. Financial incentives will cover up to 90 percent of installed measure costs. Cape Light then conducts training seminars on efficiency in Compressed Air systems (supporting the US DOE Compressed Air Challenge). Advice is also given on lighting installation and renovation, with the NEEP Design Lights Consortium. Vendors and engineering firms are relied on to be active in promoting the existing buildings programs to potential participants.

The Cape Light Compact's Medium and Large C&I Retrofit program serves C&I customers with greater than 100 kW of demand. The program pays 50 percent of the cost of a comprehensive engineering evaluation of energy efficiency opportunities at the facility. If the customer successfully implements the project, the Cape Light Compact will also pay for the remaining 50 percent of the engineering study fee. Prescriptive incentives are awarded, up to 50 percent of all incremental costs, with a cap of a buy-down to a two-year payback period. Custom incentives, based on the energy savings criteria of a customer's efficiency projects are available. Customer financial incentives are based on the incremental equipment and labor costs of installing eligible efficiency measures and projects. Cooperation with DOE and NEEP programs as described above.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

ReBuild America

Administrator

Department of Energy

Overview

DOE provides education and technical tools for commercial building efficiency through its ReBuild America program. The program attracts contractors with promotion opportunities, then provides analyses and advice in support of the best technologies for end-use efficiency. The program supports networks between communities, state and local governments, and the private sector by developing the private work force for jobs in the common good. The program then provides assistance in building audits, walkthroughs, energy modeling, best practices, and re-commissioning strategies.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Commercial/Industrial and Small Business Program

Administrator

Efficiency Maine

Overview

Efficiency Maine's C/I and Small Business Program offers energy audits (through the Maine State energy program), prescriptive incentives (on lighting, variable frequency drives, NEMA premium motors, HVAC, programmable thermostats, and efficiency

vending equipment and water heaters. Custom incentives are also available based on individual customer needs and savings. The program also provides training and information on energy management and technology implementation.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Business Energy Services

Administrator

Efficiency Vermont

Overview

The Business Energy Services program from Efficiency Vermont focuses on facilitating customers own efficiency efforts by providing software tools, listing energy efficiency providers/businesses, and equipment incentives on lighting (up to \$2500 without pre-approval), motors (Motor Up Premium Efficiency Motor Initiative), HVAC (Cool Choice Initiative), transformers, vending equipment, refrigeration, process equipment, and electrical end use equipment. Business Development Staff work closely with Strategic Partners, i.e., suppliers, and contractors to foster market maturity.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Business Energy Solutions: Existing Buildings

Administrator



Energy Trust of Oregon

Overview

The Existing Buildings program at Energy Trust of Oregon provides incentives and technical support for energy-efficient measures in existing commercial, institutional, and agricultural facilities. Incentives are available for HVAC, building shell, kitchen equipment, lighting and lighting controls, solar electric and solar water heating.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

<http://www.energytrust.org/existingbuildings/standard.html>

End-use Category

C&I Buildings

Program Name

Building Performance with ENERGY STAR

Administrator

Environmental Protection Agency

Overview

The ENERGY STAR brand is the most recognized and trusted brand in energy efficiency. The Building Performance with ENERGY STAR program builds on this brand recognition with a series of informational, technical, and outreach tools to increase energy awareness and control. The program has developed a national energy performance rating system for benchmarking efficient technologies and efficiency programs. Efficiency guidelines from research initiatives are then published in the Revised Building Manual. The program compiles a Directory of Energy Efficiency Programs (DEEP) for the identification of additional programs for technical support and incentives. The program also distributes guidelines for energy management and other resources including: financial tools, case studies, and technical resources.

Marketing/Outreach efforts strive to increase ENERGY STAR brand identification and leverage that identification for savings. Major initiatives include ENERGY STAR communications tool kit, market sector specific fact sheets, and national public service announcements.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

New Jersey Smart Start Buildings

Administrator

GPU New Jersey

Overview

The New Jersey Smart Start Buildings program focuses on efficiency in the planning phase of new construction projects with design of building systems in mind. Design support services include cash incentives for incorporating efficiency into the design process, technical assistance for design, technical assistance for audits and energy modeling, measure/system/project analysis and recommendations (with no cost for projects under 50,000 sq. feet). Equipment Incentives are available for space and water heating/cooling, lighting, motors, variable speed drives, dessicant systems. GPU also offers a custom incentives program.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Energy \$olutions for Business

Administrator

Hawaiian Electric Company (Including subsidiaries Maui Electric Company [MECO] and Hawaii Electric Light Company [HELCO])

Overview

Energy Solutions for Business seeks to provide a balanced slate of incentives for business customers to choose energy efficiency. In addition to more standard custom incentives (\$.05 per kW saved, \$125 per peak demand kW reduced), design assistance, and equipment rebates on lighting lamps and fixtures, motors, air conditioners and chillers, the program also administers Energy Efficiency Awards to recognize businesses that pursue exemplary energy efficiency goals and practices. 2005 program budget was \$4.4 million.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Energy Efficiency for your Business

Administrator

Idaho Power

Overview

Energy Efficiency for your Business is an industrial efficiency incentive program for customers with basic load capacity over 500 kilowatts. Measures incented include Air Care Plus (HVAC tune-ups), innovative design support through Idaho Integrated Design Lab, and information and access to expert advice. Incentives are based on the least of these three measures: \$.10 per kWh saved per year, 50% of the project cost, or the difference between the project's cost and the one year payback amount. Maximum incentive is \$15,000 plus the customer's annual Mega-watt usage multiplied by \$.30, up to \$100,000.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category



C&I Buildings

Program Name

Products and Services for Businesses

Administrator

KeySpan Energy Delivery New England

Overview

KeySpan Energy Delivery's products and services for business offer a comprehensive whole-building approach to energy efficiency. The program conducts audits at no charge, followed by engineering design grants (50% match up to \$10,000) for incremental differences in the cost of efficiency design. A Commercial High Efficiency Heating Program provides rebates of up to \$6000 for qualifying heating products. The Building Practices and Demonstration program provides education on new technologies that can achieve energy and cost savings.

Prescriptive rebates for equipment included, but are not limited to: Programmable Thermostats, Boiler Reset Controls, Steam Trap Replacements, Pipe/Duct Insulation, Building Shell Insulation (i.e., walls, roof, floor, crawlspace), High Efficiency Windows, Custom rebates on a two-tier program (tier 2 for more complex or underutilized technologies), with incentives available up to a maximum of 50% of project costs, capped at \$100,000 per site and/or per project. The program also provides access to the Business Energy Analyzer on-line benchmarking tool.

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End-use Category

C&I Buildings

Program Name

Small - Mid-sized Business Program

Administrator

Long Island Power Authority (LIPA)

Overview



LIPA's Small - Mid-sized Business program serves all of Long Island's commercial business needs, providing lighting solutions from outdoor lighting design to installation and management, energy audits, and benchmarking tools. The contractor incentive program provides custom incentives to contractors installing efficient equipment (up to \$300,000 per year) and prescriptive incentives for lighting, HVAC, variable speed drives, and premium efficiency motors. The program provides free programmable thermostat as part of the LIPA edge program (air conditioning monitoring pledge). The program stresses a whole building approach to design and technical assistance with rebates for equipment or systems, including geothermal heat.

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End-use Category

C&I Buildings

Program Name

EnergyAdvantage for your Business

Administrator

MidAmerican Energy

Overview

With a 2005 budget of \$15.5 million, the EnergyAdvantage for your Business program offers equipment incentives to nearly 70,000 commercial customers across Iowa. Measures incented include lighting (up to \$40 for qualifying systems), heating and cooling equipment (rebates tiered by size and efficiency of equipment), water heaters (40\$), programmable thermostats (\$30 per unit), motors and variable speed drives (up to \$1000 for qualifying units), and custom rebates. EnergyAdvantage Analysis provides comprehensive consulting regarding systems and equipment with the price initially shared. The utility pays up to the total cost if recommendations are implemented within a year of analysis. BusinessCheck Audits for small commercial customers verify baseline usage and achieved savings. Efficiency Bid is a bidding program for available energy efficiency funds. The program also offers design support and incentives for major renovations and new commercial construction.

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C&I Buildings

Program Name

ENERGY STAR Commercial Building Large Business Program, ENERGY STAR Commercial Building Small Business Program

Administrator

National Grid (including Granite State Electric, Mass Electric, and Narragansett Electric)

Overview

National Grid's Large Business program uses its association with ENERGY STAR to offer a comprehensive slate of EE incentives and services to customers with greater than 200 kW demand, with coordinated marketing and outreach efforts. The program has components for technical assistance, financing, a ballast recycling service, buyer's alliance preferred pricing on equipment, and turnkey services including audits and economic project analysis. Equipment incentives are based on multiple variables and include rebates for lighting and controls, motors, variable speed drives, compressed air, and HVAC systems. Rebates are also available for Custom projects. The program also administers a Compressed Air Challenge, including training for energy managers and contractors who install and maintain compressed air systems. National Grid certifies building operator through an associated initiative. 2005 program budgets were: Massachusetts \$49,764,878, Rhode Island \$16,554,100, and Granite State \$1,288,300.

This companion of the Large Business program targets commercial customers with less than 200 kW of demand. The program offers sector-specific information, building operator certification and the Compressed Air Challenge, as above. The Small Business program, however, conducts free energy audits and reports of recommended energy efficiency improvements and covers 80% of the cost of the installation of energy efficiency measures, with financing for the remaining 20% interest free for up to 24 months. Energy efficient equipment available through this program includes lighting upgrades, energy efficient time clocks, photo cells for outdoor lighting, occupancy sensors, programmable thermostats, and walk-in coolers. 2005 program budget for the Small Business program was \$7.3 million.

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http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

New Jersey Smart Start program

Administrator

New Jersey Board of Public Utilities

Overview

Design assistance for projects at or above 50,000 sq. ft. sponsored by the New Jersey Smart Start program includes pre-design brainstorming sessions, design simulation and screening, detailed analysis of energy-efficiency measures, and additional financial incentives for installation of multiple efficiency measures. Technical assistance entails project review and screening, recommendations for energy-efficiency measures, and assistance with incentive applications. Potential incentives for qualifying equipment include up to \$170/ton for chillers, up to \$450/ton for gas cooling, 1.00 per cfm for dessicant systems, up to \$125 per ton for electric unitary HVAC, \$370 per ton on ground source heat pumps, up to \$155 per hp for variable frequency drives, up to \$35 per MBH for natural gas water heating, up to \$700 per premium motor, up to \$75 per prescriptive lighting fixture, and incentives for gas heating and lighting controls.

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End-use Category

C&I Buildings

Program Name

Electrotechnologies Program, Design & Implementation Program

Administrator

New York Power Authority

Overview

The New York Power Authority's Electrotechnologies program is available to SENY area NYPA customers and targets electrotechnology industrial facilities. The program offers energy efficient refrigerator replacement and recycling, HVAC improvements including central chiller plants, electric service upgrades, controls, refrigerant replacement, and improvements to distribution systems. The program also emphasizes process controls at wastewater / drinking water facilities.

The Design & Implementation Program (available for SENY Area - NYPA Customers) focuses on delivering the following services to institutional customers: T8 Lamps / electronic ballasts / specular reflectors, LED exit signs, LED traffic signals, control systems, CFL & HID fixtures, building envelope measures (windows, roofs, weatherization, etc), high efficiency motors, and variable frequency drives as well as energy management systems and services.

The Statewide Program serves the rest of New York state, i.e. the non-SENY area, including both NYPA & non-NYPA governmental customers. It Includes all technologies described in NYPA programs directly above. Together with these three programs and the Non-Electric End Use Program, NYPA funding for C&I building efficiency programs was \$100 million/year as of 2005.

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C&I Buildings

Program Name

Small Business Solutions, Business Solutions

Administrator

NSTAR Electric & Gas

Overview

The Small Business Solutions program targets commercial and industrial customers under 100 kW of monthly demand. The program provides these customers with free energy audits; compensation of up to 80% of project costs for retrofit lighting, HVAC, refrigeration or qualifying mechanical systems; prescriptive and custom rebates

for gas equipment; cost sharing for engineering services; and design and commissioning services. The program links to ENERGY STAR portfolio manager and technical tools.

This NSTAR program serves large customers with more than 100 kW of monthly demand. Equipment incentives for these customers including lighting, HVAC, motors, variable speed drives, and vending machine sensors. Incentives include prescriptive rebates up to 50 percent of the total project cost, and comprehensive rebates up to 75 percent of the total project cost. Custom rebates are available for electricity and gas equipment as above. The program also provides cost sharing for engineering services as well as design and commissioning services.

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C&I Buildings

Program Name

Industry R&D Program, Building Commissioning, HVAC Program, Commercial Heat Pump Water Heating, Premium Efficiency Motors, C&I Performance Program, Technical Assistance (FlexTech, Energy Audits), New York Energy \$martSM Loan Fund, Smart Equipment Choices

Administrator

New York State Energy Research & Development Authority (NYSERDA)

Overview

NYSERDA's Industry R&D program targets development of new energy-efficient products, process technology improvements, partnerships and technology transfer to drive markets for efficiency, development and promotion of new equipment and technology.

NYSERDA's Building Commissioning program is a retro-commissioning program to train and qualify energy services providers and provide incentives for scoping studies for comprehensive retro-commissioning projects of all building systems.

The commercial/industrial HVAC program provides training and marketing support programs for contractors and building owners related to advanced diagnostics, demand

control ventilation, and CEE Tier 2 equipment heating, cooling, and ventilation equipment.

The Commercial Heat Pump Water Heating program focuses on distributing information and promotion of cutting edge efficient heat pump and water heater technologies to increase marketshare for these technologies.

The Premium Efficiency Motors mprogra promotes NEMA premium motors and motor management strategies through participating motor vendors. The program also provides software, education, and marketing support for trade allies.

The C/I Performance Program is NYSERDA's performance incentive program. Incentives are available for customers for energy efficient equipment (capped for customers at \$500,000 and for contractors at \$1 million) through Energy Services Companies. All incented equipment must have measured and verified installation to ensure achieved savings. See NYSERDA's website for a list of eligible equipment. The C/I Performance Program was funded \$10 million in 2005.

The Technical Assistance program at NYSERDA has two main components: FlexTech and Energy Audit. Under the Energy Audit initiative, commercial customers can request energy feasibility studies to identify energy-saving capital improvements that will increase economic competitiveness. Energy operations management professionals then help improve efficiency of facility operations through strategic energy plans, operational improvements. The FlexTech (short for flexible technical assistance) program conducts a 50-50 cost-shared energy studies for existing buildings and administers building commissioning. Rate analysis is provided with aggregations to prepare utility customers to negotiate energy prices and services with independent marketers. The focus of FlexTech is to increase productivity and economic competitiveness by identifying and encouraging the implementation of cost-effective energy efficiency measures through objective, customized information from cost-shared studies. To date FlexTechs technical assistance has led to \$200 million worth of energy efficiency improvements installed that annually save 1.8 million MMBtu of fossil fuels, 290 GWh of electricity, and reduce peak demand by 54 MW. Analysis shows that ever dollar spent by FlexTech leverages \$17 in customer investment and results in \$5 energy savings to customers. Additionally the program is extremely customer friendly; since the contracts are already in place between NYSERDA and the third-party consultants, there are no forms to fill out for the customer and projects can be initiated within days.

The New York Smart Loan Fund provides an interest rate reduction up to 4.0% (400 basis points) off a participating lender's normal loan interest rate for a term up to 10 years on loans for qualifying energy-efficiency improvements and/or renewable technologies.

The Smart Equipment Choices Program was developed to be a one-stop shop for efficiency incentives. The focus is the one-step application process for a number of commercial equipment incentives (lighting & controls, HVAC, motors, VSDs, high efficiency windows, plate pre-coolers, commercial packaged refrigeration, heat pump water heater, commercial coin operated clothes washers, etc.). Incentives are related to annual energy cost savings and usually average about 25% of the project costs. Incentives are capped at \$25,000. The Smart Equipment Choices program was funded \$1.4 million in 2005.

Source URL

<http://www.aceee.org/pubs/u081/ci-retro.pdf>

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

BetterBricks, Target Markets, Building Performance Services (O&M Market)

Administrator

Northwest Energy Efficiency Alliance

Overview

The BetterBricks program focuses on the architectural design and construction market. BetterBricks integrates energy efficiency into building design by providing research assistance, technical tools and planning techniques, training programs, advisor network, and lighting labs for architects, designers, energy manager, and construction managers.

The Target Markets initiative focuses on energy related business practices by providing information to commercial and institutional customers for target markets including hospitals, grocery, schools and real estate professionals.

The Building Performance Services initiative is NWEAA's operations and management program for commercial and industrial buildings. Building Performance Services targets mid and large sized businesses with rigorous screening. Screened participants are then audited under a scoping process that seeks to identify opportunities for economic efficiency investment projects. The program then enhances operations & management

through implementation of scoped opportunities, conducting energy tune-ups for participant machinery. The program also has a commissioning component.

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http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

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C&I Buildings

Program Name

Energy FinAnswer, FinAnswer Express

Administrator

PacifiCorp

Overview

The Energy FinAnswer program focuses on large retrofit and remodel projects, concentrating on engineering assistance for major projects. Incentives are rated based on \$0.12/kwh annual energy savings + \$50/KW average monthly on-peak demand savings, but are capped at 50 percent of the eligible energy efficiency measure cost. This method eases implementation of custom (retrofit) incentives. Loans for retrofits of energy-efficient equipment available in CA, ID and WY

FinAnswer Express is available to Pacificorp customers in Utah and WA only. The program provides more modest prescriptive rebates for more minor efficiency upgrades than the FinAnswer program. Incentives are available for lighting (up to \$100 for qualifying fixtures), premium efficiency motors (up to \$630), HVAC (\$50/ton), and thermostats and machine operating sensors (up to \$70/ thermostat,\$75/sensor). - Custom (retrofit) incentives are also available.

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C&I Buildings

Program Name

Small Business Energy Solutions Program, Large Business Retrofit

Administrator

Public Service of New Hampshire

Overview

Public Service of New Hampshire's Small Business Energy Solutions Program provides assessment, logistical, and incentive services for small business clients with less than 100 kW of monthly demand. The program conducts free lighting and refrigeration assessments, and arranges for contractor installation of approved measures. Program incentives cover up to 50% of the costs of qualifying technology/systems, including lighting fixtures and occupancy sensors, refrigeration controls, walk-in cooler economizers. For customers choosing to use their own electricians, the rebate is calculated using the Large Business Retrofit calculations shown below. 2005 program budget was \$1.6M (statewide..all NH electric utilities = \$2.3M).

Coordinated with the Small Business Energy Solutions Program, the Large Business Retrofit program serves Public Service of New Hampshire's commercial and industrial customers with more than 100 kW of monthly demand. The program conducts workshops and trainings for energy managers and facility operators. An Energy Rewards Program (not available statewide) offers incentives on a competitive basis for businesses demonstrating energy efficient installation. The program also provides technical expertise and consulting for major efficiency renovations with services including design review, energy audits, review of vendor proposals, and project evaluation. Equipment rebates for qualified technology/systems are available, including incentives for lighting (\$5 - \$110/fixture for qualifying lighting systems), electric motors (up to \$3295 for qualifying NEMA motors), air compressors (rebates based on multiple variables), energy management systems. Custom projects are incented using a formula of the lesser of 35% of total installed cost or buydown to 1-year payback). The 2005 budget was \$2.8M (statewide...all NH electric utilities = \$3.8M).

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End-use Category

C&I Buildings



Program Name

Energy Efficiency Services

Administrator

Puget Sound Energy

Overview

The Energy Efficiency Services program provides financial incentives for commercial and industrial customers to install energy efficient equipment and operational tools and resources to maximize the efficiency of that equipment. The program offers retrofit grants with energy efficiency measures funded up to 70% of measure cost. Rebate programs for prescriptive measures include incentives for gas boiler tune-ups (50% of cost up to \$300), premium HVAC service (\$300-\$750), refrigerators and freezers (\$30-\$200), programmable thermostats (\$50), lighting controls and fixtures (\$10-\$55), ASDs (\$50/ driven horsepower for fan motors and \$65/ driven horsepower for pumps), commercial washing machines (\$200/ unit that meets CEE tier 2), ECM motors (\$.12 per sf served), Energy Star transformers (\$2.50 per kWa), vending machine controllers (\$80), and high-efficiency AC and heat pumps (\$30/ton). Small business lighting rebates of \$3 to \$55 for qualifying fixtures, sensors, controls, exit signs, etc. are also available. Operational tools and resources include Resource Conservation Manager (RCM) services to facilitate hiring and training of energy management professionals; an RCM to reduce usage and costs of electricity, natural gas, water, sewer and solid waste; Energy Interval Service, a web based metering solution to view natural gas and electric meter data, building operator certification training, and online energy measurement and management tools.

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C&I Buildings

Program Name

Small Businesses Program, Medium & Large Businesses Program

Administrator

San Diego Gas & Electric



Overview

SDG&E's Small Business program covers all C&I customers up to 500 kW of monthly demand and has five major components. 1) Equipment rebates by measure type for refrigeration, lighting, HVAC, and food holding cabinets. 2) The Customer Energy Savings Bid program, in which customers propose large custom projects and incentive level needed. If these bids fall within program guidelines, SDG&E can choose to sponsor the project. This way, smaller sites can be aggregated together to reach energy savings requirements. 3) Free small business energy efficiency lighting installation for qualified customers. 4) Energy Savers incentives for schools and non-profits for refrigeration, software plug load sensors, and torchiere lighting. 5) The Sustainable Communities Program which showcases energy efficient design and building practices. In 2005, program budget was \$45,866,411.00 total for Small Business and Medium and Large Business programs.

SDG&E's Medium and Large Business program covers all customers with demand greater than 500 kW/month. In addition to all program components mentioned above for small businesses, the Medium and Large Business program provides equipment incentives, for itemized measures on lighting fixtures (up to \$100/qualifying fixture), HVAC (rebates based on a variety of measurements), cool roofs, food service equipment (up to \$750 per unit), and refrigeration (rebates based on a variety of measurements). In 2005, program budget was \$45,866,411.00 total for Small Business and Medium and Large Business programs.

Source URL

http://www.cce1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Air Conditioning Distributor Market Transformation Program, Small Commercial Standard Offer Program, Commercial and Industrial Standard Offer

Administrator

TXU Electric Delivery

Overview



The Air Conditioning Distributor Market Transformation Program provides incentives for A/C distributors to promote installation of high-efficiency models through industry outreach and buy-down of qualifying equipment. The program budget was \$4,000,000 for 2005.

The Residential and Small Commercial Standard Offer Program targets residential customers and small business customers with under 100 kW demand or aggregated demand under 250 kW. Equipment qualifies for rebates based on efficiency, and incentives cover HVAC equipment, ENERGY STAR appliances, insulation, water heaters, ENERGY STAR windows, air filtration systems, and duct efficiency measures. In 2005 the programs budget was \$9.4 million.

The Commercial and Industrial Standard Offer program targets larger C&I customers with more than 100 kW of demand, or aggregated demand over 250 kW with a focus on reducing peak demand. The program provides financial incentives for qualifying equipment that reduces peak period demand by at least 20 kW.

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http://www.cce1.org/com/bldgs/bldgs_ps2005.pdf

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C&I Buildings

Program Name

Small Business Energy Advantage, Energy Opportunities, Municipal Energy Service Program, Energy Blueprint

Administrator

United Illuminating

Overview

United Illuminating's Small Business Energy Advantage program is targeted to commercial customers with less than 150 kW of demand. The program offers turnkey installation services, on-site energy audits, single measure analysis or full analysis, financial incentives on equipment. United Illuminating performs the installation of approved measures and pays for up to 50% of total project cost. UI also offers interest-free "on-bill" financing to pay the balance of project costs.

Energy Opportunities is United Illuminating's large scale retrofit program for customers with greater than 150 kW of demand. Energy Opportunities offers energy audits, cash incentives (capped at \$100,000 per tax ID number per year), technical assistance with identifying opportunities, vendor proposal review and co-funded engineering studies resulting in implementation of efficiency measures.

The Municipal Energy Service Program focuses on municipal retrofit projects. The program's first step is outreach to communities to encourage energy conservation. Interested municipalities are offered cash incentives (under the Energy Opportunities structure), educational services, and planning and implementation for approved measures. Before any measures are installed, UI conducts investment grade energy audits and computerized energy evaluations to model individual project needs. The program stresses participation in the Rebuild America program (see above) and offers alternative financing options and vendor proposal assistance to help guide participants every step of the way.

Energy Blueprint is UI's new construction/major renovation/ equipment replacement program. Targeting new construction and major renovation works with contractors and design professionals, providing grants to build energy-efficiency into design plans. The program currently provides cash incentives of up to 90% of incremental costs.

Source URL

http://www.cce1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Small Business Energy Efficiency Solutions, Commercial and Industrial Services

Administrator

Unitil

Overview

Unitil's Small Business Energy Efficiency Solutions program is for commercial customers with less than 100 kW of monthly demand. The program provides free audits and measure recommendations. Incentives up to 50% of installed cost are available on prescribed equipment. Eligible technologies include lighting, occupancy sensors, electric

hot water measures, controls for walk-in coolers, air-conditioning, and programmable thermostats. Custom projects may also qualify. The program arranges contractor installation of equipment that the business has approved, with quality assurance inspection after project completion to verify correct installation, quality workmanship, and satisfaction level. All work is warranted for two years. The program also coordinates removal of all waste materials associated with installation of approved measures.

The Commercial and Industrial Services program is the option for Unitil's business customers with greater than 100 kW of monthly demand. The program conducts energy audits (a customer co-payment of up to 25% of the audit cost may be required) on all program participants, culminating in a review of specific recommendations for energy efficiency projects. Prescriptive and custom incentives are available to cover the lesser of a 2-year payback or 35% of the installed cost of the following equipment: lighting conversions and controls, energy efficient motors, variable frequency drives, energy management systems, custom projects, and compressed air systems. The program also coordinates building commissioning.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Commercial and Industrial Services

Administrator

We Energies

Overview

We Energies' commercial and industrial customers have 3 main channels when seeking assistance for energy efficiency investment: 1) Request for Proposal: Customers can submit proposed projects, for which, if they are approved, We Energies will provide partial funding for larger and/or more innovative energy efficiency projects. These funds can cover design, equipment, building, etc. 2) Custom: available to all customers, We Energies offers co-funding for innovative energy efficiency projects, often including feasibility studies and process improvements. 3) Prescriptive: We Energies offers

financial incentives (based on multiple variables) for lighting, motors, air conditioning, and variable speed drives, as well as other energy efficient equipment.

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http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Energy Saving Tools and Ideas

Administrator

Wisconsin Public Service

Overview

Under the umbrella of the Focus on Energy program, Wisconsin Public Service's Energy Saving Tools and Ideas program work with the Wisconsin Division of Energy and targets small business customers. Informational resources including efficiency tips organized by sector type and by classes of machinery are available for businesses looking to improve their operational efficiency. The program offers technical tools, including benchmarking and in-depth energy analysis; training opportunities for energy managers; equipment incentives for lighting, HVAC and custom projects run in conjunction with WI Focus on Energy. WPS currently does not have a re-commissioning program, but Focus on Energy offers to pay 50% for feasibility studies.

Source URL

http://www.cee1.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name

Business Services

Administrator

Xcel Energy - Minnesota

Overview

Xcel Energy offers a full line of energy services for their commercial and industrial customers: Energy Analysis, Energy Design Assistance, financing, various equipment rebates, custom efficiency, and recommissioning. The Energy Analysis program covers energy auditing service, offering free on-line auditing services and on-site service with shared costs (\$200-\$300 for the customer, based on square footage). Energy Analysis also provides engineering assistance study services, paying up to 50% of the study cost, up to \$15,000, providing recommendations to improve energy efficiencies with payback periods. Energy Design Assistance provides resources for architects and designers for incorporating efficiency into building design and is available for larger renovation projects (over 15,000 sq. ft.). Incentives for equipment upgrades are also available: boiler efficiency (up to \$5,000), compressed air efficiency (up to \$15,000), distributed generation technology (up to 40% of project cost), furnace equipment (up to 100% for 94% AFUE), lighting retrofits (up to \$85 per unit, depending on technology), motors (up to \$16.50/hp), variable frequency drives (\$30/hp), roofing efficiency (up to \$200 per kw saved), cooling equipment (up to \$20/ton for some types of equipment, up to \$250 per unit for other types of equipment). Custom rebates are also offered, with rebates of up to \$200 per kilowatt saved. Xcel also offers financing for qualified equipment with interest rates as low as 0%. Xcel's Building Recommissioning program's goal is to help commercial customers conserve energy by making their existing systems work most efficiently. Xcel pays 50% of the cost (up to \$15,000 per building) to assess mechanical systems in the facility. The written plan includes recommendations, based on the diagnostic assessment, and details how best to return the building's current mechanical systems to peak efficiency. Incentives dollars are available to cover up to half the cost of implementing recommended changes. Recommissioning offers free Energy Star Benchmarking. Total budget for these services was roughly \$20M/year as of 2005.

Source URL

http://www.cceel.org/com/bldgs/bldgs_ps2005.pdf

End-use Category

C&I Buildings

Program Name



Commercial Geothermal Heat Pump Program, EarthCents Commercial Buildings,
Commercial/Industrial Energy Analysis Program

Administrator

Gulf Power

Overview

The objective of the Commercial Geothermal Heat Pump Program is to reduce the demand and energy requirements of new and existing Commercial/Industrial customers through the promotion and installation of advanced and emerging geothermal systems. Geothermal heat pumps provide significant benefits to participating customers in the form of reduced operating costs and increased comfort levels, and are superior to other available heating and cooling technologies with respect to source efficiency and environmental impacts.

Both full geothermal closed loop ground systems and hybrid system technology are included in this program. Gulf Power will promote these systems by providing: estimates of heating and cooling operating costs to commercial customers installing geothermal heat pumps in commercial facilities; \$400/ton incentive for commercial, full closed loop projects or \$200/ton for hybrid closed loop projects. These incentive amounts for both full and hybrid geothermal systems are for up to 50 ton system totals. Geothermal systems with total tonnage above 50 tons will be evaluated on a case by case basis for cost-effectiveness.

The EarthCents Commercial Building program is designed to ensure that buildings are constructed with energy efficiency levels above the Florida Model Energy code standards. These standards include both HVAC efficiency and thermal envelope requirements. To provide an accurate quantitative analysis of the kW and kWh savings due to this program, the EarthCents standards for average commercial buildings are compared to the aforementioned code. The features used to prepare the customer's analysis include: wall and ceiling R-values, glass area, description of glass, water heating, and HVAC systems.

The Commercial/Industrial (C/I) Energy Analysis Program is an interactive program that provides C/I customers assistance in identifying energy conservation opportunities. This program is a prime tool for the Gulf Power C/I Energy Specialist to personally introduce customers to conservation measures including low or no-cost improvements or new electro-technologies to replace old or inefficient equipment. Further, this program facilitates the load factor improvement process necessary to increase performance for both the customer and Gulf Power.

The C/I Energy Analysis Program allows the customer three primary ways to participate. A basic Energy Analysis Audit (EAA) is provided through either an on-site survey or a direct mail survey analysis. Additionally, a more comprehensive analysis can be provided by conducting a Technical Assistance Audit (TAA).

Source

http://www.gulfpower.com/business_home.asp?WT.svl=nav_bus_home

End-use Category

C&I Buildings

Program Name

Business Refrigeration Program

Administrator

Florida Power & Light Company

Overview

FPL's Business Refrigeration Program is designed to reduce the current and future growth of coincident peak demand and energy consumption of business customers by increasing the use of efficient refrigeration controls and equipment. FPL provides an incentive to customers, or their designees, who install qualifying controls and equipment that reduce electric strip heater usage in refrigeration equipment.

Advanced refrigeration controls and equipment can reduce the electrical power of refrigeration glass display cases, door rails, case frames, and freezer doorways that are in widespread use in supermarkets, convenient stores, restaurants, and distribution centers. Electric heater elements are normally needed to prevent condensation in display cases and to defrost freezer doorways. The electric strip heaters around the doors of display cases can use advanced controls to stagger defrost heater cycles to limit the quantity of strip heater load that can operate during each time period. Automatic controls can also include humidistats to de-energize electric heaters when they are not needed. A freezer can incorporate hot gas reclaim as its heat source for doorways that can reduce or eliminate electric strip heaters normally used for defrost control.

FPL makes business customers aware of this program through dealers, distributors, contractors, other trade allies, appropriate advertising and promotion activities, as well as direct contact with potential participants by FPL personnel.

Source URL

<http://www.fpl.com/business/savings/refrigeration.shtml>

End-use Category

C&I Buildings

Program Name

Business Water Heating Program

Administrator

Florida Power & Light Company

Overview

FPL's Business Water Heating Program is a program designed to reduce the current and future growth of coincident peak demand and energy consumption of business customers by increasing the use of efficient water heating equipment. FPL provides an incentive to customers, or their designees, who install qualifying heat recovery units (HRU) or heat pump water heater equipment (HPWH).

Heat Recovery Units are typically desuperheaters installed on the hot gas side of air conditioning units and reclaim heat normally rejected to the outside air. The recovered energy is used to displace electrical power used for commercial water heating. HRU technology can be applied to most business customers that consume hot water.

Heat Pump Water Heaters reclaim energy from the ambient air, water source, groundwater or ground source, and directly heat water circulating through a storage tank. HPWH's are roughly three to four times more efficient than commercial electric water heaters. HPWH technology can be applied to most business customers that consume hot water.

FPL makes business customers aware of this program through dealers, distributors, contractors, other trade allies, appropriate advertising and promotion activities, as well as direct contact with potential participants by FPL personnel.

Source URL

<http://www.fpl.com/business/savings/waterheating.shtml>

End-use Category

C&I Buildings

Program Name

Business Heating, Ventilating, and Air Conditioning Program (HVAC)

Administrator

Florida Power & Light Company

Overview

FPL's Business Heating, Ventilating, Air Conditioning, (Bus HVAC) Program is designed to reduce the current and future growth of coincident peak demand and energy consumption of commercial and industrial customers by increasing the use of high-efficiency heating, ventilating, and air conditioning (HVAC) systems. FPL provides an incentive to customers, or their designees, who install qualifying HVAC equipment. Equipment that is considered for incentives is DX units, chillers, chillers with adjustable speed drives, thermal energy storage, energy recovery ventilators, and demand control ventilation. For those customers installing a thermal energy storage system, FPL also provides an incentive for a feasibility study and an initial system commissioning.

FPL makes commercial and industrial customers aware of this program through dealers, distributors, contractors, other trade allies, appropriate advertising and promotion activities, as well as direct contact with potential participants by FPL personnel.

In 2007, FPL assisted customers with over 300 installations resulting in a peak demand reduction of almost 15 MW.

Source URL

<http://www.fpl.com/business/savings/cooling.shtml>

End-use Category

C&I Buildings

Program Name

Business Building Envelope Program

Administrator

Florida Power & Light Company

Overview

The Business Building Envelope (BBE) Program is designed to reduce FPL's business customers' heating, ventilating and air conditioning (HVAC) loads. This program will

encourage eligible business customers to increase the efficiency of qualifying portions of their building's envelope, which will reduce HVAC energy consumption and demand.

This program will provide incentives to customers, or their designees, for the installation of cost-effective high-efficiency building envelope measures and products, such as window treatments, roof/ceiling insulation and reflective roof coatings. Technologies that potentially qualify for incentives include window treatment, ceiling and roof insulation and reflective roofing.

FPL makes business customers aware of this program through dealers, distributors, contractors and other trade allies, as well as, through direct contact with potential participants by FPL personnel.

During 2007, FPL assisted 735 business customers improve their building envelope resulting in a peak demand reduction of over 8.2 MW.

Source URL

http://www.fpl.com/business/savings/building_envelope.shtml

End-use Category

C&I Buildings

Program Name

Business Energy Evaluation

Administrator

Florida Power & Light Company

Overview

The Business Energy Evaluation program is designed to encourage energy efficiency in commercial and industrial facilities by identifying DSM opportunities and providing recommendations to the customer. Energy efficiency encompasses analysis of all energy sources and customer energy-related productivity. Customer eligibility in FPL's other commercial and industrial programs is determined and participation promoted through the evaluation.

The energy survey is either provided at the customer's facility by one of FPL's business representatives at no charge or performed by the customer at their convenience on-line. Recommendations are provided to the customer via a written report outlining steps to take to become more energy efficient and FPL programs for which they qualify.

In 2007, 11,755 surveys were completed for FPL's business customers.

Source URL

http://www.fpl.com/business/savings/business_energy_evaluation.shtml

End-use Category

C&I Buildings

Program Name

Site-Specific Commercial and Industrial Energy Efficiency Programs

Administrator

Avista Utilities

Overview

Avista Utilities will pay financial incentive(s) for any electric or natural gas saving measure(s) with a simple payback of over one year. This allows business customers to install new efficient equipment, retrofit facilities or modify processes with a significant reduction in cost as well as ongoing energy savings.

There is a single point-of-contact for commercial or industrial customers through an account executive assigned to them. These Avista representatives identify conservation opportunities and generally help the business manage energy use by coordinating Avista's program managers, engineers and analysts to prepare a Site-Specific Report identifying the costs (less Avista's incentives) and benefits of applicable energy efficiency improvements.

Source URL

http://www.avistautilities.com/business/rebates/washington_idaho/pages/default.aspx

End-use Category

C&I Buildings

Program Name

Standard Offer ("Prescriptive") Commercial and Industrial Energy Efficiency Programs



Administrator

Avista Utilities

Overview

Avista offers a variety of energy management financial incentives for commercial and industrial customers who receive retail electric and natural gas distribution from Avista. Avista offers the following standard offer (or “prescriptive”) commercial energy efficiency measures: Demand Controlled Ventilation, Side-Stream Filtration, Vending Machine Controller, EnergySmart, Food Service Equipment, HVAC Variable Frequency Drive Incentives, Premium Efficiency Motors Rebate, Power Management for PC Networks, LED Traffic Signals, Refrigerated Warehouse, Steam Trap Replacement/Repair, Green Motors, Commercial Clothes Washer, Electric to Natural Gas Water Heater Conversion, Commercial Lighting, LEED Certification, Multifamily Development, and Retro-Commissioning.

Source URL

http://www.avistautilities.com/business/rebates/washington_idaho/pages/default.aspx

End-use Category

Commercial & Industrial Buildings

Program Name

Non-Residential Energy Assessments

Administrator

Duke Energy

Overview

Non-Residential Energy Assessments are designed to help commercial and industrial customers identify opportunities to use energy more efficiently through on-line analysis, telephone interviews, and on-site energy audits.

Source URL

www.duke-energy.com

End-use Category

Commercial & Industrial Buildings

Program Name

Sure Bet Commercial Programs, Plug Load Program

Administrator

NV Energy

Overview

The Sure Bet Commercial Programs is a set of comprehensive incentive programs that focus on helping businesses use energy wisely. NV Energy offers both prescriptive and custom incentives to non-residential customers for both retrofit and new construction. In addition, technical services are available to help assess energy saving opportunities for customers committed to installing electric energy efficiency equipment.

The Plug Load program addresses plug loads in the commercial and residential sectors. The project targets the largest energy-using electronic product categories: desktop computers (PCs) and desktop-derived servers (servers) and is planned to expand into televisions and other home electronics.

Source URL

www.nvenergy.com

End-use Category

C&I Buildings

Program Name

Standard Offer (“Prescriptive”) C&I EE Programs

Administrator

Avista

Overview

Avista offers a variety of energy management financial incentives for commercial and industrial customers who receive retail electric and natural gas distribution from Avista.

Avista offers the following standard offer (or “prescriptive”) commercial energy efficiency measures: Demand Controlled Ventilation, Side-Stream Filtration, Vending Machine Controller, EnergySmart, Food Service Equipment, HVAC Variable Frequency Drive Incentives, Premium Efficiency Motors Rebate, Power Management for PC Networks, LED Traffic Signals, Refrigerated Warehouse, Steam Trap Replacement/Repair, Green Motors, Commercial Clothes Washer, Electric to Natural Gas Water Heater Conversion, Commercial Lighting, LEED Certification, Multifamily Development, and Retro-Commissioning.

Source URL

http://www.avistautilities.com/business/rebates/washington_idaho/pages/default.aspx

End-use Category

C&I Buildings

Program Name

Large Commercial and Industrial Standard Offer Program (SOP), Texas SCORE MTP, Retro-Commissioning MTP

Administrator

CenterPoint Energy

Overview

The Large Commercial and Industrial SOP targets large commercial and industrial participants with a minimum demand of 100 kW. Incentives are paid for installations of measures in new or retrofit applications in commercial facilities which provide verifiable energy and demand savings.

The Texas SCORE MTP targets school districts in the CenterPoint Energy service territory, and pays incentives to the districts for the installation of energy efficiency measures. The program also includes the CitySmart component which pays cities for demand reduction and energy efficiency.

The Retro-Commissioning program is a building tune-up program that targets no cost or low cost measures that will reduce the demand energy usage in facilities and improve building comfort. Agents, typically from engineering firms, are used for program delivery and are paid incentives for the completion of three phases: Planning, Implementation, and Verification. The owners of the commercial facilities must invest a minimum of \$10,000 to upgrade their facilities through this program.

Source URL

<http://centerpointefficiency.com>

End-use Category

C&I Buildings

Program Name

Large C&I Programs: Prescriptive Program; Large Commercial and Industrial Programs: Retro-Commissioning (RCx) Program

Administrator

Baltimore Gas & Electric

Overview

The prescriptive program is being launched by May. Same as small commercial prescriptive programs that encourages customers whose equipment has failed to replace it with higher efficient equipment. It provides incentives covering 50% to 75% of incremental costs for Lighting, Vending machine controls, High efficiency ice makers, Freezer anti-sweat controls, Motors, and Unitary HVAC equipment. The budget for 2009-2011 is \$35.4M with expected energy savings of 254,000 MWh.

The RCx program will be launched by mid-summer 2009. This program involves identifying and implementing low cost tune-ups and adjustments that improve the efficiency of existing buildings' operating systems by returning them to intended operation or design specifications. The focus is on building controls and HVAC systems. Incentives will be based on kWh basis and include cost sharing of the assessment study. The budget for 2009-2011 is \$7.3M with expected energy savings of 94,300 MWh.

Source URL

www.BGESmartEnergy.com

End-use Category

C&I Buildings

Program Name

Commercial and Industrial Energy Efficiency Rebate Program

Administrator

Kansas City Power & Light (KCP&L)

Overview

KCP&L's Commercial and Industrial Energy Efficiency Rebate Program consists of three components.

1. Audit - A rebate of up to the lesser of 50% or \$300 to \$500 (depending on the size of the facility) towards the cost of a facility energy audit performed by a KCP&L certified auditor may be issued to the customer if the customer implements at least one recommendation from the audit.
2. Retrofit - A rebate may be issued to the customer for replacement of existing equipment with high efficiency equipment. This includes rebates for custom measures, which are available to all business customers, as well as rebates for prescriptive measures, which are available to small business customers only.
3. New Construction - A rebate may be issued to the customer for installation of energy efficient equipment in a new building or a major renovation. This includes rebates for custom measures, which are available to all business customers, as well as rebates for prescriptive measures, which are available to small business customers only.

All KCP&L customers are eligible to participate in the program provided their project meets the program's pre-approval requirements. In order to be approved, (1) a customer must submit a rebate application prior to the purchase or installation of equipment, (2) the project must produce a Societal Benefit/Cost Test result of 1.0 or higher, and (3) the incremental payback period for the project must be greater than two years. Once a rebate application is approved, the rebate is calculated as the lesser of a buy down to a two-year payback or 50% of the incremental cost. In addition, each customer is assigned a maximum incentive amount (based on the customer's tariff and KCP&L territory) not to be exceeded in a calendar year.

Through February 2009, almost 300 projects were completed saving more than 32,000 MWh annually for customers, and 4.8 MW of demand.

Source URL

<http://www.kcpl.com/business/aegonline.html>

End-use Category

C&I Buildings

Program Name



Building Operator Certification Program

Administrator

Kansas City Power & Light (KCP&L)

Overview

KCP&L's Building Operator Certification program (BOC) is a professional development program for building operators and maintenance staff. The program offers a series of seven courses on energy and resource efficient operation of buildings. Successful completion of these courses qualifies individuals for certification. The goal of the program is to achieve measurable energy savings in the operation of buildings by training individuals responsible for day-to-day operations.

Through February 2009, over 100 participants have been certified saving more than 1,325 MWh annually and 530 kW of demand.

Source URL

<http://www.kcpl.com/business/aegonline.html>

End-use Category

C&I Buildings

Program Name

Design 2000 Plus

Administrator

National Grid

Overview

The Company markets the programs through extensive personal communication by the Company's Key Account Executives and Energy Efficiency Consultants with customers, vendors, contractors, and design professionals and via seminars, training sessions and other direct marketing approaches.

For 2009 and beyond, the Company will take steps to improve the visibility of Design 2000plus. Programs targeted at specific building types, such as data centers and laboratories, will be offered. An enhanced high performance lighting initiative will be implemented that will target architects and lighting design professionals helping them to

incorporate energy effective lighting designs that will achieve energy use that is 15% lower than a system designed to code (this will be described later on). The Company will be looking at innovative ways including direct outreach services to work with equipment distributors and installers to help them promote energy efficient equipment and systems to their customers.

Source URL

<http://www.nationalgridus.com/>

End-use Category

C&I Buildings

Program Name

Energy Initiative

Administrator

National Grid

Overview

The objective of the large Commercial & Industrial retrofit program – “Energy Initiative” – is to focus on energy efficiency opportunities associated with existing mechanical and electrical systems in commercial, industrial, governmental and institutional buildings above 200 kW in demand. National Grid markets this program through extensive personal communication by the Company’s Key Account Executives and Energy Efficiency Consultants with customers, vendors, contractors, and design professionals and via seminars, training sessions and other direct marketing approaches. The Company also co-markets the program through trade, industry and public interest or civic groups, which represent this target market and have extensive outreach capabilities.

Through Energy Initiative, the Company also actively supports regional and national market transformation initiatives such as operation and maintenance, compressed air and retro-commissioning.

For 2009 and beyond, the Company will take steps to improve the visibility and penetration of Energy Initiative. Special initiatives that targeted at specific building types, such as data centers and laboratories, will be offered. The Company will continue to explore measures that improve efficiency in industrial processes. The Company will be looking at innovative ways to work with equipment distributors and installers such

they may seek retrofit opportunities in addition to the time dependant opportunities they traditionally serve.

Source URL

<http://www.nationalgridus.com/>

End-use Category

C&I Buildings

Program Name

Small Business Program

Administrator

National Grid

Overview

Customers with an average monthly demand of less than 200 kW, or annual energy usage of less than 483,600 kWh, are eligible for this program. These customers tend to have loads that are dominated by lighting (as a percentage of total load) and a historical reluctance or inability to fund efficiency improvements. While, their small size tends to exclude them as potential beneficiaries of services from other energy service providers, their lighting dominance makes them excellent candidates for the direct install approach.

The competitively-selected labor vendors market the program through direct mail and telemarketing. In addition, the National Grid web allows lead information to be e-mailed directly to the competitively-selected labor vendor.

National Grid augments its primary marketing efforts by asking the Commercial Accounts group, which deals with small business customer issues, to forward leads to the program manager when a customer calls in with a high bill complaint. Participation in the program is offered to these customers as a way for them to reduce their usage.

Source URL

<http://www.nationalgridus.com/>

End-use Category

C&I Buildings

Program Name

Building Retro-Commissioning

Administrator

National Grid

Overview

The objective of this service is to develop marketplace recognition of the value of retro-commissioning, which is the process of testing, troubleshooting, and adjusting systems in existing buildings with the expectation of raising existing performance standards that can significantly reduce energy consumption with little financial investment. The ultimate objective is to build a private sector market, and service delivery capability, for these services.

Retro-Commissioning Services consists of two elements:

- The Large Commercial and Industrial Full RCX initiative builds on the retro-commissioning work that was developed in 2004. It is the Company's intent to include an aspect of the Demand Response program in the Large C&I Full RCX Initiative. Experience has shown that retro-commissioning measures are normally ignored in a facility unless some level of financial incentive is offered from the utility. To overcome this barrier, customers receive financial incentives to implement the retro-commissioning measures that are cost effective and have a simple payback of less than 2 years.
- The Fast Track Building Tune-Up Program, targets smaller and simpler buildings. The program is designed to have a streamlined approach focusing primarily on the retro-commissioning measures which are expected and yield the quickest return on investment. In particular, there is expected to be a focus on controls (scheduling and calibration) and the management of ventilation air into the building. Another aspect of this program is that it will facilitate the necessary changes needed to capture the savings, as opposed to simply identifying them.

In order to expedite the Building Tune-up process the Company works with retro-commissioning providers who direct Test and Balance and Measurement and Verification (M&V) subcontractors and incorporate their diagnostic reports into the retro-commissioning plan. The retro-commissioning provider uses the M&V diagnostics to direct the corrective actions. These actions may be handled by the retro-commissioning provider, a subcontractor, or by the building owner's staff.

Source URL

<http://www.nationalgridus.com/>

End-use Category

C&I Buildings

Program Name

Whole Building Assessment Program

Administrator

National Grid

Overview

The Whole Building Assessment Program assists large Commercial & Industrial customers in setting priorities and promotes the installation of comprehensive energy efficiency measures in their facilities. The Whole Building Assessment (WBA) initiative provides building owners and operators with a better understanding and control over the energy related costs of their commercial buildings. It will help them reduce operating costs, increase energy efficiency, identify solar energy and CHP opportunities, and promote environmentally-friendly operations.

A vendor and the Company works with a participant to:

- Benchmark their facility's energy use and compare it to similar buildings through the tool "Commercial Benchmarking Services" developed by the US EPA;
- Through the use of the online tool, "Energy Profiler Online", provide energy usage patterns that help identify potential changes in building practices that may lead to energy saving opportunities;
- Help the customer track energy use;
- Develop a written action plan identifying cost and savings opportunities;
- Assist the customer in implementation of no-cost/or low cost O&M measures;
- Assist the customer with capital projects.

Source URL

<http://www.nationalgridus.com/>

Industrial Motor & HVAC Replacement

End-use Category

C&I Motor & HVAC Replacement

Program Name

Motor and HVAC Distributor Rebate Program

Administrator

Pacific Gas & Electric

Overview

The PG&E Motor and HVAC Distributor Rebate Program is an upstream program that provides prescriptive rebates to Motor and HVAC distributors who stock and sell Premium Efficiency Motors and HVAC equipment using an online application system and database to allow distributors to upload applications listing hundreds of units. PG&E then automatically verifies that equipment meets the eligibility requirements and that the end use customer is served by the sponsoring utility. Restructured in 2004-2005 to an upstream approach after downstream efforts in 2002-2003, the program saw a 590% increase in tons of HVAC and a 400% increase in motors receiving rebates. This resulted in two year energy savings of 62 GWh and 29 MW. 2006 one year savings totaled 16.55 GWh and 8.79 MW, a roughly 35% increase from previous years. It is estimated that the program has 95% participation of all eligible distributors.

Source URL

<http://www.aceee.org/pubs/u081/ci-motor-hvac.pdf>

End-use Category

C&I Motor & HVAC Replacement

Program Name

“Motor-up” Motors Initiative

Administrator

National Grid

Overview

The program provides instant incentives for motors purchased through participating motor distributors. Utilities in Massachusetts and Rhode Island have agreed to offer uniform incentives equipment meeting the efficiency requirements for “NEMA Premium” motors.

The initiative includes a combination of marketing, education, technical assistance, and incentives for customers and trade allies. All participating utilities use the same motor efficiency qualification levels, rebate amounts, and application form, and may share marketing materials.

Source URL

<http://www.nationalgridus.com/>

Industrial Process

End-use Category

Industrial Process

Program Name

Compressed Air Leak and Detection Remediation Program

Administrator

NSTAR Electric

Overview

The Compressed Air Leak Detection and Remediation Program integrates best practice techniques presented by the Compressed Air Challenge, offers financial and technical assistance incentives for end users with large compressed air systems and a greater than 15% gross leakage rate to address compressed air leaks. The program also offers compressed air training to maintenance staff to develop improvements in air system reliability and air supply quality, and to promote accompanying electrical savings through changes in system operation and maintenance.

Source URL

<http://www.aceee.org/pubs/u081/ci-niche.pdf>

End-use Category

Industrial Process

Program Name

Focus on Energy Industrial Program

Administrator

Focus on Energy

Overview

Focus on Energy's (FOE) Industrial Program provides information on energy efficiency opportunities, project and study financial incentives to promote action, energy best practice literature tailored to specific industrial clusters relevant to the Wisconsin economy, on-site support and technical assistance, and Practical energy Management (PEM) training. Custom incentive grants based on project feasibility analysis, highly targeted industrial initiatives (paper, metalcasting, food/dairy, plastics, and water/wastewater), and close cooperation with tight communities of business allies to create industry best practice models anchor the multi-pronged success of FOE. Since July of 2001, FOE and its 1500 customers have accounted for independently verified net savings of 141,151,429 kWh, 20,680 kW, and 15,085,925 therms. This results in a lifetime savings of over \$262 million from an operating budget of only \$22 million, yielding a benefit-cost ratio of 11.9.

Source URL

<http://www.aceee.org/pubs/u081/ind-process.pdf>

End-use Category

Industrial Process

Program Name

PRIME Program

Administrator

Connecticut Light & Power, Connecticut Energy Efficiency Fund

Overview

The Process Reengineering for Increased Manufacturing Efficiency (PRIME) program was developed to teach manufacturers how to implement “lean manufacturing” techniques focusing on efficiency through “kaizen” (continuous improvement), elimination of waste, elimination of non-value added activities, and alignment of production with customer demand. These techniques reduce inventory and delivery times, improve quality, and increase production capacity and efficient use of energy. PRIME pays the cost of up to two three-and-a-half day Kaizen events to train customers in lean concepts and the application of those concepts, with the aim of reducing energy usage at a cost of approximately \$0.06 per lifetime kWh. In 2007 there were 55 projects completed at a cost of \$335,500 which saved an estimated 3,080,312 kWh annual and 15,401,560 kWh lifetime.

Source URL

<http://www.aceee.org/pubs/u081/ind-process.pdf>

End-use Category

Industrial Process

Program Name

Business Custom Incentive Program

Administrator

Florida Power & Light Company

Overview

The Business Custom Incentive (BCI) Program is designed to encourage FPL's business customers to implement unique energy conservation measures or projects not covered by other FPL programs, but which cost-effectively reduce or shift electric demand from FPL's system peak.

The program is available to all of FPL's business customers. In order for a conservation measure or project to be eligible, it must not be covered by another of FPL's conservation programs, and it must reduce or shift at least 25 kW between the hours of 3:00 P.M. and 6:00 P.M., weekdays, for the months of April through October. The demand and energy savings attributable to the conservation project must be verifiable through monitoring. Both retrofit and new construction projects are eligible. FPL makes business customers

aware of this program through direct contact between FPL field representatives and FPL's business customers.

During 2007, FPL produced a peak demand reduction of almost 14 MW through its assistance to customers under this program.

Source URL

<http://www.fpl.com/business/savings/custom.shtml>

End-use Category

Industrial Process

Program Name

Energy Partnership & Services (EP&S)

Administrator

DTE Energy (DTE)

Overview

Detroit Edison's EP&S is a group of technical experts that assist DTE customers with energy management issues. This group facilitates the identification and implementation of energy saving programs for customers. Since 1994, EP&S has helped customers obtain energy savings for electricity, natural gas, coal and water. EP&S works with customers to improve their energy efficiency, thereby reducing their operating costs and in the process enhances service. The result is strong relationships with these customers, supported by total identified annual savings in excess of \$350 million over the past 15 years. This year EP&S has identified annual cost saving opportunities that exceed \$7 million at customer sites. EP&S also assists with implementing some of these projects.

Source URL

<http://www.dteenergy.com/businesses/powerIndustrial.html>

End-use Category

Industrial Processes

Program Name

Production Efficiency



Administrator

Energy Trust of Oregon

Overview

The Production Efficiency program works with businesses to upgrade the energy efficiency of their industrial processes. Businesses may work on a custom track with an efficiency consultant, who assesses the potential for upgrades in production processes and in lighting and develops a program just for that business, or on a standard track with standard incentives.

Source URL

<http://www.energytrust.org/pe/index.html>

End-use Category

Industrial Process

Program Name

Large C&I Custom Programs

Administrator

Baltimore Gas & Electric

Overview

The custom programs will be launched by mid-summer 2009. The goal of this program is to support non-residential customers in identifying and implementing site-specific and unique cost-effective energy efficiency opportunities through measures not addressed by the Prescriptive Program. These can include energy efficiency technologies, or multi-measure projects, that do not fall under the Prescriptive Program, ranging from complex commercial HVAC projects to industrial process improvements. Incentives will also be offered including co-funding 50% of a pre-approved study up to a maximum amount and additional incentives for implementing the recommendations made in the study. Projects must be able to show specific and verifiable energy savings and costs, typically developed by a third-party firm. Incentive levels will be project specific based on prescribed calculations. The budget for 2009-2011 is \$11.9M with expected energy savings of 154,400 MWh.

Source URL

www.BGESmartEnergy.com

Residential Home Performance

End-use Category

Residential Home Performance

Program Name

EnergyWise (Massachusetts and Rhode Island) Home Energy Solutions (New Hampshire)

Administrator

National Grid

Overview

Created to address the split incentive problem in multifamily buildings, the EnergyWise program deals with multi-unit facilities as a whole so owners can approve one contract and work can be put out to bid for improved pricing. EnergyWise assists both tenants and owners by providing education, information, and incentives for low cost measures such as ENERGY STAR light bulbs, hot water measures, air sealing, lighting fixture and thermostat upgrades, and replacement of inefficient refrigerators. Since 1996, the program has delivered more than 149,430 cumulative annual MWh savings and 2,222,560 MWh in lifetime savings for its 185,000 customers.

Source URL

<http://www.aceee.org/pubs/u081/res-multi.pdf>

End-use Category

Residential Home Performance

Program Name

California Statewide Multifamily Energy Efficiency Rebate Program

Administrator



Pacific Gas & Electric, San Diego Gas & Electric, Southern California Edison, Southern California Gas

Overview

The California Statewide Multifamily Energy Efficiency Rebate Program (MEERP) is a collaboration among California's four major investor-owned utilities. Together, they promote energy efficiency and provide equipment rebates to owners and tenants of multifamily properties. MEERP encourages the installation of qualifying energy efficient products in individual tenant units and in common areas by providing rebates of up to \$1,500 for products and improvements. Rebate offerings for measures associated with apartment dwelling units include interior and exterior hardwired fixtures, T8 linear fluorescents, ceiling fans, CFLs, clothes washers, dishwashers, water heaters, natural gas central furnaces, and attic and wall insulation. Rebate offerings for common areas include LED exit signs, occupancy sensors, photocells, high-performance dual-paned windows, central water heaters, and boilers and boiler controls. 2006 program installations were comprised of approximately 3,285 multifamily properties with 168,537 apartments, and a total of \$20,702,609 in paid incentives resulting in reported electric and gas energy savings of 5,294 kW, 51,296,891 kWh, and 1,072,478 therms.

Source URL

<http://www.aceee.org/pubs/u081/res-multi.pdf>

End-use Category

Residential Home Performance

Program Name

Multifamily Housing

Administrator

Efficiency Vermont

Overview

Efficiency Vermont's Multifamily Housing initiative provides comprehensive treatment of all end uses to new and existing multifamily buildings. Efficiency Vermont project managers work one-on-one with design teams, evaluating all elements that contribute to the overall efficiency and performance of the building: thermal shell, insulation, windows, space heating, hot water heating, air conditioning, electrical systems,

ventilation, appliances, controls, and interactive effects among these systems. Options are assessed and recommendations made, accompanied by cash flow analyses. Financial incentives are negotiated on a case-by-case basis. In addition to project-based services, Efficiency Vermont trains contractors and installers on proper details and techniques. Efforts are also made to educate property owners, designers, and installers about their buildings' performance and to maximize energy efficiency. Financial incentives include bundled efficiency measure packages designed to take advantage of owner investment and to leverage non-electric savings with electric efficiency incentives. Since 2000, Efficiency Vermont's multifamily housing projects have affected over 5,000 units, resulting in cumulative energy savings of more than 18,000 MWh per year and cumulative demand savings of more than 4,000 kW.

Source URL

<http://www.aceee.org/pubs/u081/res-multi.pdf>

End-use Category

Residential Home Performance

Program Name

Multifamily Performance Program

Administrator

New York State Energy Research and Development Authority (NYSERDA)

Overview

Originally a pilot program, the New Construction Component of the Multifamily Performance Program targets technical and financial assistance to buildings (4 floors or more, 5+ units) that are being constructed or significantly rehabilitated to help developers and architects of these buildings achieve the New York ENERGY STAR rating. Contracted energy modeling partners work directly with the developer and design team to incorporate energy efficient options into the proposed building's design. Buildings that participate in the New Construction Component receive three incentive payments from NYSERDA: (1) a technical assistance incentive, (2) a measure installation incentive, and (3) a performance incentive if higher levels of energy savings are reached. Through the program is still new, energy savings are projected to be over 4,000 MMBtu per year in gas savings and nearly 94,000 kWh in electricity savings per year.

Source URL



<http://www.aceee.org/pubs/u081/res-multi.pdf>

End-use Category

Residential Home Performance

Program Name

ENERGY STAR® New Homes Program

Administrator

Pacific Gas & Electric, San Diego Gas & Electric, Southern California Edison, Southern California Gas

Overview

A common offering of the four major California investor-owned utilities (IOUs), The ENERGY STAR New Homes program offers incentives to residential builders who construct energy-efficient homes that achieve long-term, cost-effective energy savings. The IOUs also provide potential home buyer with informational packets on the benefits of these ENERGY STAR homes and tools for locating them. The program targets all types of residential builders including builders of multifamily projects. The program promotes change in the residential market with a “push-pull” approach, urging developers to build more ENERGY STAR rated homes (homes that exceed California efficiency standards by at least 15%) and promoting these homes to potential buyers, trading on the brand recognition of the ENERGY STAR label. The program targets homes at the design phase, promoting a whole-house approach. Incentives are based on tiers of energy efficiency improvements at various levels beyond the California standards. Due to the combined efforts of all four participating IOUs, 51,889 ENERGY STAR homes were completed in 2005.

Source URL

<http://www.aceee.org/pubs/u081/res-new-homes.pdf>

End-use Category

Residential Home Performance

Program Name

Vermont ENERGY STAR® Homes/Homebase New Construction

Administrator

Efficiency Vermont, Vermont Gas Systems, Inc.

Overview

Efficiency Vermont and Vermont Gas Systems, Inc. (VGS) jointly implement the Vermont ENERGY STAR Homes (VESH) service within the northwestern area of Vermont, where most of the population resides. All residential new construction projects in Vermont are eligible for technical assistance and incentives. All participants receive technical assistance, on-site inspections with shall and duct tightness testing, State energy Code verification, and Home Energy Ratings at no cost. Program staff also provide assistance in setting project energy objectives, perform preliminary plan review, determine an appropriate energy rating, and prepare detailed energy and economic analyses to assist builders in making educated decisions about energy efficiency measures. Additional incentives are available for lighting, ENERGY STAR appliances, furnace fans, gas-powered clothes dryers, and for central air conditioners. In 2006 more than 200 builders participated in VESH, over half of whom were repeat participants, and the market share of program incented homes exceeded 30%. Participants savings in 2006 averaged 2,100 kWh of electricity and 28,056 mmBTU of fossil fuels per home.

Source URL

<http://www.aceee.org/pubs/u081/res-new-homes.pdf>

End-use Category

Residential Home Performance

Program Name

ENERGY STAR® New Homes Program

Administrator

Rocky Mountain Power

Overview

Rocky Mountain's ENERGY STAR® New Homes Program promotes construction of energy-efficient homes with building envelope upgrades, high performance windows, controlled air infiltration, high efficiency heating and cooling systems, tight duct systems,

and efficient water heating equipment based on the Home Energy Rating System (HERS). Program efforts have focused on recruitment of builders and trade allies to establish a market presence for ENERGY STAR builders. Financial incentives of up to \$760 exist for each home built meeting ENERGY STAR criteria. Since the program's initiation in 2005, Rocky Mountain has certified 2,386 homes as meeting the efficiency criteria, for associated energy savings of 3,395 MWh in 2006, a seven-fold increase in HERS raters in the area, and the development of over 100 certified ENERGY STAR builders.

Source URL

<http://www.aceee.org/pubs/u081/res-new-homes.pdf>

End-use Category

Residential Home Performance

Program Name

Home Performance with ENERGY STAR® Program

Administrator

New York State Energy Research and Development Authority (NYSERDA)

Overview

The core of the Home Performance with ENERGY STAR Program is the subsidized training and help it offers contractors in obtaining certification and accreditation from the Building Performance Institute (BPI). There are currently 621 actively participating BPI-certified professionals. Through the program, these participating contractors perform no-cost comprehensive home assessments, develop work scopes, and contract to perform energy efficiency upgrades to customers, working with a "house-as-a-system" approach. The program itself relies on a competitively solicited structure for efficient administration, with responsibilities spread between NYSERDA, New York Energy Smart, Hudson Valley Community College, BPI, CSG Implementation, Honeywell, and CSG Marketing. The program targets residential buildings of 3 stories or less and between 1 and 4 units. Since the program's inception through March 31, 2007, nearly 15,000 existing homes have been improved to use up to 40% less energy. Cumulative program savings exceed \$10.3 million, 13.5 million kWh, and 631 billion Btu.

Source URL

<http://www.aceee.org/pubs/u081/res-retro.pdf>

End-use Category

Residential Home Performance

Program Name

Home Performance with ENERGY STAR® MassSAVE Program

Administrator

National Grid, NSTAR Electric, Berkshire Gas Company

Overview

National Grid's efforts since 2000 have transformed MassSAVE, an old-style Residential Conservation Services educational audit program, into a comprehensive Home Performance with ENERGY STAR offering for residential homeowners. Potential participants go through a two-tiered approach. Tier I screening identifies specific customer needs and phone assistance with general questions. Tier II customers receive detailed home energy assessments reporting detailed home recommendations for improvements including costs, energy savings, payback, and available utility incentives. Measures chosen are implemented using Building Performance Institute (BPI) protocols. Since 2000 the program has served close to 48,000 customers and saved 180,000 lifetime MWh. In 2006 more than 5,300 customers participated in the program.

Source URL

<http://www.aceee.org/pubs/u081/res-retro.pdf>

End-use Category

Residential Home Performance

Program Name

Home Performance with ENERGY STAR® Rebate Program

Administrator

Austin Energy

Overview

Austin Energy has been running the Home Performance program since 2003 and coordinates this program with other energy efficiency offerings. In 2004, the program budget was approximately \$1.7 million, of which approximately 75% was for rebates and 25% for loans. The utility estimates that they completed about 1,500 jobs and achieved 3,300 KW in peak energy savings and 3,500 MWh of energy savings. The program is open to both contractors and customers. Contractors are trained according to the Austin Energy handbook and customers are engaged using outreach and marketing from the utility. It provides up to \$1,400 in rebates for individual retrofit measures.

Source URL

<http://www.cce1.org/resid/hp/hp-ps.pdf>

End-use Category

Residential Home Performance

Program Name

California Home Performance with ENERGY STAR Program

Administrator

California Building Performance Contractors Association

Overview

This ratepayer funded program is administered by the California PUC and operated in northern and central CA between 2002-2005, with plans to expand to the entire state in 2006. The primary audiences are retrofit contractors and single-family homes. The two-year budget for 2004-05 was \$1.9 million, with 25% going toward administrative costs, 45% to direct implementation, 20% to marketing, and 10% to evaluation. The goal of the program is to train contractors so that they integrate efficiency retrofits into their business models.

Source URL

<http://www.cce1.org/resid/hp/hp-ps.pdf>

End-use Category



Residential Home Performance

Program Name

Colorado Home Performance with ENERGY STAR Program

Administrator

Colorado E-Star

Overview

This program refers any income-qualified customers to weatherization agencies and contractors in the E-Star Contractors Network (www.chpwes.org/order.htm). Xcel Energy has a representative on the E-Star advisory council. The program operates on a \$200,000/year budget.

Source URL

<http://www.cce1.org/resid/hp/hp-ps.pdf>

End-use Category

Residential Home Performance

Program Name

Wisconsin Focus on Energy Home Performance with ENERGY STAR

Administrator

Wisconsin Department of Administration, Energy Division

Overview

This program focuses on contractors and consultants. For 2005, the annual budget was \$2.5 million with 60% going toward incentives, 15% to subcontractors, 10% to overhead, 10% to marketing, and 5% to direct costs. Like the California home performance program, the goal is to train contractors on energy efficiency retrofits and improvements, and to expand the number of workers qualified to perform such measures. Average incentives per house in 2005 were \$465.

Source URL

<http://www.cce1.org/resid/hp/hp-ps.pdf>

End-use Category

Residential Home Performance (see also: Small Commercial)

Program Name

Targeted Demand Side Management (DSM)

Administrator

Consolidated Edison

Overview

The Targeted Demand Side Management (DSM) Program is designed to help customers become more energy efficient by installing high-efficiency equipment in certain targeted neighborhoods. Long-term DSM can reduce the need for additional capacity, minimize environmental impacts of electric supply resources, and promote increase energy awareness to all customers. Such measures include lighting, refrigeration, HVAC, and more. Con Edison's program has been in place since 2003 and more than 26,000 locations have taken advantage of it. Con Edison is in contract for a total of 194 MW reduction through 2012.

Source URL

www.coned.com/sales

End-use Category

Residential Home Performance

Program Name

Residential Energy Survey, EarthCents Home

Administrator

Gulf Power Company

Overview

The Residential Energy Survey program offers existing residential customers, individuals and contractors building new homes, energy conservation advice that encourages the

implementation of efficiency measures resulting in energy savings for the customer. Owners of existing homes may choose to have a Gulf Power representative conduct an on-site survey of their home, or they may opt to participate in either a mail-in or on-line interactive version of the survey known as the "Energy Check Up." Qualifying new home owners and contractors may request a survey of their final construction plans. Regardless of the options chosen, these surveys provide customers with specific whole-house recommendations.

Since the approval of the survey program, Gulf Power Company has performed 154,192 residential energy surveys. This is a result of Gulf Power's promotional campaign to solicit energy surveys as well as the overall rapport established with its customers as the "energy experts" in Northwest Florida.

By incorporating both energy-efficient appliance and performance standards that actually exceed ENERGY STAR requirements, EarthCents Homes offer superior quality and performance while addressing the need to preserve our natural resources. Gulf Power works with builders and homeowners to ensure all of the standards for insulation, HVAC, windows and doors, water heating, lighting, appliances, and air sealing are met. The program's performance standards require duct leakage to be less than or equal to 6 CFM to outdoors per 100 square feet, and a HERS Index score of 80 or less.

Source URL

<http://www.gulfpower.com/residential/checkup.asp>

<http://www.gulfpower.com/residential/earthcentshome.asp>

End-use Category

Residential Home Performance

Program Name

ENERGY STAR New Home Program, Home Performance with ENERGY STAR Program, High Efficiency ENERGY STAR® Heat Pump Campaign, Residential Energy Efficiency Information

Administrator

Georgia Power Company

Overview

New Home Program: Objectives are to increase the awareness level about the benefits of new ENERGY STAR homes and to increase the number of ENERGY STAR homes sold in Georgia through working with builders, realtors and ENERGY STAR raters to further implement the ENERGY STAR new home program. A \$300 payment to the builder is offered for ENERGY STAR homes that have electric heat pumps and electric water heaters. The payment is designed to offset the cost of having the home certified as ENERGY STAR by a third party rater. In 2008, more than 1,200 homes qualified as ENERGY STAR.

Home Performance: Objectives are to help existing residential customers to make their homes more comfortable, to save energy and to save money by looking at energy efficiency improvements for the whole house as a system. Home Improvement contractors, certified by the Building Performance Institute, Inc., perform a thorough whole house assessment to identify opportunities for energy efficiency improvements. By using the "whole house approach," trained and certified independent contractors are able to give the customer a comprehensive assessment that includes recommendations and cost analysis for: heating/cooling equipment, insulation levels, air infiltration, windows/doors, and lighting. The program includes up to \$1,900 in rebates for customers depending on what improvements they make. Currently, this is a pilot program.

Heat Pump Campaign: Limited time program offers existing residential customers a \$400 rebate for converting their current gas furnace to a high efficient heat pump, including ENERGY STAR qualified systems. On-going campaigns include customer education and awareness around the benefits of installing ENERGY STAR qualified equipment.

Residential EE Information: Program offers existing residential customers energy conservation advice that encourages the implementation of energy efficiency measures resulting in energy savings for the customer. Customers may request an in-home energy audit by a Georgia Power representative or they may choose to participate in the on-line version. The on-line version includes a custom Energy Check Up plus useful tools such as an Energy Calculator, Energy Library, and the "Virtual House" that shows how the different areas of the house effect energy use. Both the in-home and on-line energy audits provide the customer the additional option of choosing to participate in the Home Performance with ENERGY STAR program. Additionally, program provides information brochures and a toll free line to address residential customers' energy efficiency questions. An annual mass energy efficiency awareness campaign uses television, radio and print media to consumers to understand the benefits of energy efficiency improvements and behaviors.

Source URL

www.georgiapower.com/energystar/consumer_star.asp

www.georgiapower.com/energystar/home_performance.asp

www.georgiapower.com/residential/heatcool.asp

www.georgiapower.com/residential/energy.asp

End-use Category

Residential Home Performance (See also: Small Commercial)

Program Name

Residential & Small Commercial SOP

Administrator

CenterPoint Energy

Overview

This program targets residential and small commercial participants with maximum demand less than 100 kW. Incentives are paid to program sponsors who locate eligible customers and install energy efficiency measures which provide verifiable demand and energy savings. Eligible measures include, but are not limited to, air conditioning duct sealing, weatherization, and ceiling insulation.

Source URL

<http://centerpointefficiency.com>

End-use Category

Residential Home Performance

Program Name

ENERGY STAR® Homes Market Transformation Program (MTP)

Administrator

CenterPoint Energy / ICF International

Overview

This market transformation residential program targets newly constructed homes. Incentives are paid to qualified builders who build ENERGY STAR® certified homes in the CenterPoint service area. Homes must be at least 15% more efficient than specified by building codes. Homes also must be certified by a third party energy rater.

Source URL

<http://centerpointefficiency.com>

End-use Category

Residential Home Performance

Program Name

Residential Conservation Service (RCS), Residential New Construction Program (BuildSmart Program)

Administrator

Florida Power & Light Company

Overview

The Residential Conservation Service (RCS) Program offers free residential energy audits to customers, and has been an integral component of FPL's demand side management efforts since the late 1970's. The program provides three types of surveys: an in home energy audit; a customer assisted phone energy survey; and an online, customer self-conducted survey. The in home audits are conducted by a FPL representative in order to inform residential customers of cost-effective conservation measures and practices that are suitable for the customer's home. All three surveys, in home, phone and online, provide a residence's energy analysis directly to the customer and are based on the customer's responses to the energy survey.

The RCS program is a key source of energy efficiency and conservation education for residential customers, providing energy saving tips and information. In addition to providing conservation information, the RCS Program also serves as the vehicle for introducing customers to residential conservation incentive programs, featuring incentive payments for qualified customers to help them overcome the initial cost of implementing conservation measures.

In 2007, 165,575 surveys were performed for residential customers.

The BuildSmart Program encourages the design and construction of energy-efficient homes that cost-effectively reduce coincident peak load and customer energy consumption.

The BuildSmart Program has a variety of activities: conducting educational activities, advertisement and marketing to builders and homebuyers explaining and promoting the benefits of building new homes more energy-efficiently than required by state building code. Employing energy rating tools, new house plans are reviewed and recommendations are provided to improve energy efficiency ratings. The program includes post-construction inspections to assess the energy efficiency of new homes. Qualifying homes that pass inspection are certified as BuildSmart homes. Additionally, the builder receives incentives for qualifying BuildSmart homes that also achieve ENERGY STAR® certification. FPL makes residential customers aware of this program through advertising and promotional channels, as well as direct contact with potential participants by FPL personnel.

In 2007, there were 4,084 homes in the program for a peak load savings of 5,235 kW.

Source URL

http://www.fpl.com/residential/ohes/online_home_energy_survey.shtml

http://www.fpl.com/residential/buildsmart/contents/buildsmart_home_buyer_information.shtml

End-use Category

Residential Home Performance

Program Name

Standard Offer (“Prescriptive”) Residential Energy Efficiency Programs

Administrator

Avista Utilities

Overview

Avista has a collection of standard offer (or “prescriptive”) rebates to encourage residential customers to make energy efficiency improvements and to help offset the cost of completing these measures.

The following are the residential energy efficiency measures offered through Avista's High Efficiency Equipment program: Natural Gas Furnace, Air Source Heat Pump, Ground Source Heat Pump, Variable Speed Motor, Central Air Conditioner, and Water Heater. Conversion from Electric Straight Resistance measures include: Electric to Natural Gas Heat, Electric to Heat Pump, and Electric to Natural Gas Water. Our Weatherization line up covers: Ceiling and Attic Insulation, Floor and Wall Insulation, Windows, and Fireplace Dampers. We also offer an Energy Star certified Home measure. The residential measures are rounded out with our Energy Star Appliance program, which covers Energy Star Freezers, Refrigerators, Dishwashers, and Clothes Washers.

Source URL

<http://www.avistautilities.com/savings/rebates/Pages/WashingtonandIdahoCustomerRebates.aspx>

End-use Category

Residential Home Performance

Program Name

Residential Energy Assessments, Home Performance with ENERGY STAR (*Pilot*), ENERGY STAR New Homes, Home Energy Comparison Report (*Pilot*)

Administrator

Duke Energy

Overview

Residential Energy Assessments are designed to help residential customers identify opportunities to use energy more efficiently through mail-in analysis, on-line analysis, and on-site energy audit. Participating customers will receive either an energy efficiency kit or compact fluorescent light bulbs at the time of audit to begin their energy savings immediately.

Home Performance with Energy Star (pilot) will provide a building science based, whole home efficiency solution for existing houses.

Energy Star New Homes will provide a whole home high efficiency solution for the new construction market.

Home Energy Comparison Report will motivate customers to reduce their energy consumption with comparisons to similar homes and practical saving suggestions.

Source URL

www.duke-energy.com

End-use Category

Residential Home Performance

Program Name

ENERGY STAR Manufactured Homes, Energy Plus New Homes Program, Zero Energy Homes, Home Performance with ENERGY STAR

Administrator

NV Energy

Overview

The Manufactured Homes project targets the new manufactured home market and provides incentives to manufacturers, dealers and contractors for the installation of ENERGY STAR qualified building envelope measures, air distribution systems, air conditioners and CFLs.

The New Homes program provides financial incentives to residential homebuilders who construct single-family homes that exceed Nevada's energy efficiency standards for new construction by 30 percent. The program also provides training, technical support and marketing resources to home builders.

The Zero Energy Homes pilot project targets the residential new construction market. It supports the introduction of zero and near-zero energy homes. It is structured to expose the value of investing in energy efficiency and renewable energy to home buyers, home appraisers, real estate agents and financial companies.

NV Energy has partnered with the Las Vegas Springs Preserve and the Southern Nevada Regional Planning Coalition to collectively initiate and design a communitywide Home Performance with ENERGY STAR – Nevada program. The program will provide a comprehensive whole-house approach to energy efficiency improvements that will also to improve health, safety, durability, comfort and affordability of Nevada's existing housing stock.

Source URL

www.nvenergy.com

End-use Category

Residential Home Performance

Program Name

ENERGY STAR® New Homes

Administrator

Kansas City Power & Light (KCP&L)

Overview

Installing energy-efficient technologies during new home construction is a smart way to distinguish the homes that builders construct by their performance and quality, and lower homeowners' energy bills.

Builders who meet the eligibility requirements will receive \$800 per home under KCP&L's ENERGY STAR New Homes Program. KCP&L will also pay HERS raters up to \$750 for the inspections and HERS rating requirements for a Builder's home to achieve the ENERGY STAR label.

Through February 2009, about 50 homes qualified under the ENERGY STAR New Homes Program. Participants savings averaged about 2,600 kWh of electricity per home.

Source URL

<http://www.kcpl.com/NewHomes/index.htm>

End-use Category

Residential Home Performance

Program Name

Home Performance with ENERGY STAR®

Administrator

Kansas City Power & Light (KCP&L)

Overview

KCP&L offers a Home Performance with Energy Star rebate of up to \$600 for customers who implement at least one energy efficiency improvement that is recommended by a Home Performance with Energy Star certified contractor or consultant. Using diagnostic testing, the expert gives the homeowner unbiased recommendations for improving a home's energy efficiency and indoor air quality

As of February 2009, the program has served about 35 customers.

Source URL

<http://www.kcpl.com/homeperf/>

End-use Category

Residential Home Performance

Program Name

Home Energy Solutions—Existing Homes

Administrator

Energy Trust of Oregon

Overview

The Home Energy Solutions Program provides incentives to homeowners to make efficiency upgrades to their homes. The program covers HVAC, insulation, air/duct sealing.

Source URL

<http://www.energytrust.org/residential/existinghomes/index.html>

End-use Category

Residential Home Performance

Program Name

Home Energy Solutions—New Homes

Administrator

Energy Trust of Oregon

Overview

The Home Energy Solutions Program—New Homes works with builders to upgrade their designs to Energy Star levels, and provides marketing support to encourage potential buyers to purchase efficient homes.

Source URL

<http://www.energytrust.org/residential/es/nh/index.html>

End-use Category

Residential Home Performance

Program Name

Multifamily Home Energy Solutions

Administrator

Energy Trust of Oregon

Overview

The Multifamily Home Energy Solutions Program provides incentives to landlords to make efficiency upgrades to the common areas and tenant areas of their properties. Incentives are available for appliances, building shell, HVAC and lighting upgrades

Source URL

<http://www.energytrust.org/residential/mf/index.html>

End-use Category

Residential Home Performance

Program Name

ENERGY STAR New Construction Program, Home Performance with ENERGY STAR (HPwES) Program

Administrator



Baltimore Gas & Electric

Overview

The ENERGY STAR New Construction Program is being launched in summer 2009. The goal is to accelerate the market penetration of ENERGY STAR qualified homes in BGE's service territory. The program provides rebates based on the Home Energy Rating System (HERS) rating of home, offers rebates on an Advanced Lighting Package (ALP), provides incentives for an ENERGY STAR qualified model home, and cooperative advertising opportunities. It will run from 2009-2011, with a budget of \$5.5M and expected energy savings of 6,000 MWh.

The Home Performance with ENERGY STAR (HPwES) Program will be launched by mid-summer 2009. This consists of three tiers: an online audit tool, the Residential Quick Home Energy Check Up and the official HPwES program. The online audit tool will be more comprehensive and interactive. The Check Up is an economy audit (\$40) that will emphasize areas where homeowners will want to invest in energy saving measures. Homeowners agreeing to the immediate installation of a few measures such as compact fluorescent lights (CFLs), faucet aerators, efficient flow showerheads, and water heater blankets will have the \$40 fee waived. The goal is to sell these customers up to the Home Performance with ENERGY STAR program. The goal of HPwES is to motivate residential customers to use a comprehensive, whole-house approach to reducing energy consumption when considering home improvements. The homeowner will receive an in-depth audit report that outlines energy efficiency improvements with estimated costs and payback periods. Customers will pay for the audit but then will receive an incentive of 15% of the cost of eligible measures installed in response to the audit recommendations up to \$1300. It will run from 2009-2011, with a budget of \$13.7M and expected energy savings of 18,700 MWh.

Source URL

www.BGESmartEnergy.com

End-use Category

Residential Home Performance

Program Name

The Massachusetts New Homes with ENERGY STAR[®] Program

Administrator



National Grid

Overview

This program targets builders, contractors, architects and other stakeholders in new home construction. Builders can choose one of two ways to participate: ENERGY STAR certification or CODE Plus/energy-efficiency measure upgrades. Both require direct installation of ENERGY STAR–qualified compact fluorescent light (“CFL”) bulbs in appropriate sockets, on-site training, and a final verification inspection.

ENERGY STAR certification requires (1) a Home Energy Rating System (“HERS”) Index of 85 or less, (2) meeting envelope leakage and duct leakage standards, (3) completing a thermal bypass inspection list, and (4) meeting the U.S. Environmental Protection Agency’s (“EPA”) ENERGY STAR homes specifications.

The CODE Plus/energy-efficiency measure upgrade path offers a prescriptive package to builders, developers, architects, and homeowners who are interested in building energy-efficient housing but not necessarily in achieving ENERGY STAR certification. This path features no plan review or energy modeling, it allows builder to choose from a list of energy-efficient or ENERGY STAR measures, and allows for reimbursement of a portion of the cost of installed energy-efficiency measures.

Marketing strategies include direct builder outreach; information on the website (www.energystarhomes.com); and meeting presentations, home and trade show exhibits, participation in builders’ conferences, and other public relations activities. Energy-efficiency outreach and training to educate builders, architects, HERS raters, real estate agents, building code officials, and industry players also are planned. In addition, individual program sponsors will use targeted marketing as needed to meet program participation and spending goals.

Source URL

<https://www.nationalgridus.com/masselectric/>

End-use Category

Residential Home Performance

Program Name

Major Home Renovation Pilot

Administrator



National Grid

Overview

Participating builders can take advantage of incentives to upgrade the thermal performance of home additions and major renovations for homes that do not meet the criteria under the ENERGY STAR® homes program *and* where the additions and/or renovations affect at least 500 square feet of the existing home. This major renovation pilot includes preconstruction plans review, on-site training, a final verification inspection, and direct installation of qualified ENERGY STAR CFL bulbs in all appropriate sockets.

This pilot project continues the strong commitment to the comprehensive whole-house approach of the ENERGY STAR homes program and fills the gap between it and the Residential Conservation Services (“RCS”)/MassSAVE Program. The goal: that all homes in Massachusetts undergoing major renovation be made as efficient as possible. This goal has become more important as the market for new homes has softened and construction activity through additions and renovations appears to be growing.

Experience has shown that the HERS rating method can be administratively burdensome on existing homes, so the program’s incentives are intended to be prescriptive in nature. In addition, HERS raters will implement the pilot project in the field and utilize existing tools from the ENERGY STAR homes program (e.g., the thermal bypass checklist) to confirm overall building performance.

Source URL

<https://www.nationalgridus.com/masselectric/>

End-use Category

Residential Home Performance

Program Name

MassSAVE (Residential Conservation Services)

Administrator

National Grid

Overview

The aim of this program, begun in 1980, is to educate residential customers about saving energy in their homes and to help them identify and install cost-effective upgrades.

The Residential Conservation Services (“RCS”)/MassSAVE Program provides “one-stop shopping” for customers who are interested in making energy-efficient improvements to their homes. The program helps those customers identify and install all the equipment needed to control their future energy costs.

Two tiers of service are available. All customers who call the MassSAVE toll-free number to learn about the program are asked several questions to determine their need for and general interest in making energy-efficient improvements. Customers who are not ready to invest in energy-efficient upgrades receive Tier One service. Customers who are ready to make energy-efficient upgrades are eligible for Tier Two service. (Low-income customers are referred to appropriate low-income programs.)

- Tier One service includes general information and education about energy efficiency. It also attempts to identify customers’ specific needs and direct them to other energy-efficiency programs and/or sponsor resources as appropriate.
- Tier Two service includes an on-site home energy assessment (“HEA”) to identify and recommend specific energy-efficient upgrades. Auditors also explain the contractor services that will be needed to install recommended measures and describe the financial incentives available for installation. The program offers an incentive of 75% of the installed cost of recommended measures, up to \$2,000. In addition, incentives for high-efficiency gas heating and water heating systems are available through GasNetworks. The HEA also offers instant savings: With the customer’s permission, CFL bulbs are installed for free in all appropriate locations, as are low-flow shower heads, faucet aerators, and weather stripping.

Source URL

<https://www.nationalgridus.com/masselectric/>

End-use Category

Residential Home Performance (Multi-family)

Program Name

EnergyWISE Program

Administrator

National Grid

Overview

The program seeks to substantially reduce the energy consumption of multi-family buildings (five or more units) through the provision of comprehensive, whole-house retrofit services. Eligible customers receive an energy assessment, education on energy-savings opportunities, and direct installation of low cost efficiency measures. The customers can receive up to a 75% discount on the installation of major (higher cost) measures.

The program essentially targets, through a comprehensive energy assessment, the installation of low cost efficiency measures, such as CFLs, lighting upgrades and domestic hot water saving devices. Major measures targeted include replacement of inefficient refrigerators, heat pump testing, duct sealing, insulation, and air sealing for electrically heated and fossil fuel heated buildings.

Source URL

<https://www.nationalgridus.com/masselectric/>

End-use Category

Residential Home Performance

Program Name

Deep Retrofit Pilot

Administrator

National Grid

Overview

The pilot will assess the costs and benefits of deep energy retrofits in Massachusetts residences. The design includes a plan to support deep retrofits and to gather information on customer satisfaction, behavior modification, and energy savings. The pilot will help the Commonwealth begin to develop information on appropriate measures for deep retrofits, the correct way to model potential energy savings for deep retrofits, approaches for different housing types, training energy-retrofit contractors, customer education and marketing materials, and financing mechanisms and incentive levels.

Source URL

<https://www.nationalgridus.com/masselectric/>

Residential Lighting

End-use Category

Residential Lighting

Program Name

ENERGY STAR® Residential Lighting Program

Administrator

Arizona Public Service

Overview

In its Energy Star Residential Lighting Program, Arizona Public Service (APS) utilizes a manufacturer buy-down approach coupled with an aggressive promotion and consumer outreach campaign to secure reduced-price ENERGY STAR CFLs for retail outlets. CFL incentives for 2007 averaged \$1.12 per bulb. Close to 4 million CFLs have been sold since the program's inception in late 2005—1.3 million in 2006 alone, well over the annual goal of 940,000. APS estimates more than 360 GWh of total lifetime savings through 2006, which translates into \$25 million in energy cost savings. First year savings in 2006 were 65.6 GWh, which were delivered at a levelized cost of \$0.007 per lifetime kWh.

Source URL

<http://www.aceee.org/pubs/u081/res-light.pdf>

End-use Category

Residential Lighting

Program Name

ENERGY STAR® Residential Lighting Program

Administrator



Puget Sound Energy

Overview

The Residential Lighting Program is Puget Sound Energy's (PSE) effort to increase the sale of ENERGY STAR qualified compact fluorescent lamps (CFL) and CFL fixtures. The program includes financial incentives for residential customers, including builders and property managers, purchasing CFLs (currently \$2 for CFLs, \$10 for outdoor fixtures and \$20 for indoor fixtures) and supporting marketing, promotions, and field support for retailers and trade allies. Between 2003 and 2006, the Residential Lighting Program has verified purchases of nearly 3 million CFLs and over 55,000 CFL fixtures, resulting in over 450 million kWh saved. Additionally, PSE has established partnerships with all 44 major lighting showrooms in its area and with 155 retail partners, roughly 50% of distributors in the Puget Sound region.

Source URL

<http://www.aceee.org/pubs/u081/res-light.pdf>

End-use Category

Residential Lighting

Program Name

ENERGY STAR® Residential Lighting Program

Administrator

Northwest Energy Efficiency Alliance

Overview

The Northwest Energy Efficiency Alliance (NEEA) ENERGY STAR® Residential Lighting Program works on behalf of its 130 member utilities to Promote ENERGY STAR-qualified lightings products to consumers in the Northwest, promoting market transformation efforts with manufacturers, distributors, and retailers. The program also supports regional outreach and local utility campaigns and participates in national testing efforts to ensure that labeled products meet ENERGY STAR standards. Since 2001 the market share of CFLs in the Northwest has increased from 1% to 16% in 2006, consumer approval ratings for CFLs has increased to 85%, and independent research indicates that 84% of CFL purchasers will likely practice CFL to CFL replacement in the future.

Source URL



<http://www.aceee.org/pubs/u081/res-light.pdf>

End-use Category

Residential Lighting

Program Name

Upstream Lighting Program

Administrator

Pacific Gas & Electric Company

Overview

PG&E's Upstream Lighting Program provides incentives to manufacturers or retailers to reduce the price of ENERGY STAR® qualified CFLs and other energy efficient lighting products to residential and small commercial customers at the point of sale, with no need to submit a rebate application. The program focuses on increasing consumer awareness of energy-efficient lighting products, making it easier to buy them, and giving people more reasons to stay loyal to them. Using financial incentives, market research, and promotional materials, the Upstream Lighting team has boosted the availability and appeal of CFLs. To date PG&E has agreements with 13 manufacturers who are partnered with over 640 retailers, representing over 2,000 separate locations. Since its inception in 2000, the program has incented more than 30 million CFLs. An estimated 25 million CFLs will be installed in PG&E's service area in 2007 alone, saving approximately 1,799 GWh and preventing the emission of over 470,900 tons of CO₂ annually.

Source URL

<http://www.aceee.org/pubs/u081/res-light.pdf>

End-use Category

Residential Lighting

Program Name

Alliant Residential Lighting Program

Administrator

Alliant Energy

Overview

Alliant's lighting program is part of their overall budget for the prescriptive rebate program, which includes HVAC, insulation, etc. The program includes a CFL exchange component and a component for Energy Star-approved fixtures.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

BG&E Smart Energy Savers Program

Administrator

Baltimore Gas & Electric

Overview

This is a CFL sales program and BG&E had a target of 1 million units sold in 2008. The utility has thrown CFL giveaway events for low/limited-income customers and offers a markdown of \$1.50 on single bulbs and \$3.00 of select Energy Star bulbs.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

Smart Ideas for your Home ENERGY STAR Lighting

Administrator

Commonwealth Edison



Overview

This program has a budget of \$7.1 million and includes standard twists and specialty CFLs. The CFL program budget for June 2008 - May 2009 is approximately \$3.8M for incentives. CFLs are promoted with incentives and customer outreach. Currently, they are using a markdown process with the retailers with an additional incentive provided by the manufacturers. A pilot for fixtures is in place, with about \$350,000 in incentives.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting (Residential Retail Products)

Program Name

Residential Retail Products

Administrator

Connecticut Light & Power

Overview

The CEEF's award-winning Retail Products program promotes the sale of CFLs in Connecticut's grocery, home improvement and big box stores by working with lighting manufacturers to rebate bulbs before they ever reach the store shelves. This approach is administratively less costly, encourages CFL purchase at the store where they are competitively priced, and allows customers to purchase discounted CFLs without having to submit mail-in rebates or bring coupons to the store. The program achieved 83,361 MWH of annual savings in 2008 with more than 400k participants.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name



Energy Efficient Products Program

Administrator

Long Island Power Authority

Overview

In 2008 LIPA has a goal of helping consumers to purchase 1.2 million CFLs, 15,000 Fixtures, and 15,000 LED Holiday Lights. These purchases are tied to their savings goal of 43,000 MWh and 3.33 MW. In terms of industry involvement, LIPA seeks to have at least 300 participating lighting retailers in their programs. The budget for 2008 was ~\$4 million.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

Direct-to-Door CFL Distribution Program; CFL Manufacturer Buy-Down Program

Administrator

Los Angeles Department of Water & Power (LADWP)

Overview

The lighting program aims to influence the purchase of 3.5 million CFLs and achieve savings of 15.4 MW and 75 GWh. The budget for 2008 was \$8 million, of which \$5 million was for CFL distribution and \$3 million for a buy-down program. The CFL Manufacturer Buy Down Program will be evaluated by the number sales of CFLs within the LADWP service territory by retailers participating in the program. The direct-to-door program aims to distribute two CFLs to every customer in the LADWP service territory.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

Northeast ENERGY STAR Residential & Appliance Initiative

Administrator

NStar

Overview

Nstar budgeted ~\$3 million for field outreach, marketing and incentives. The ultimate goal of the program is market transformation, which NSTAR hopes to achieve by supporting the development of a wider range of quality CFLs and lighting Fixtures. NSTAR evaluates results through retailer participation in Negotiated Cooperative Promotions (NCPs) and coupons. Sales data is collected to show how many products were sold by each store. An annual lighting inventory measures market penetration in stores participating in the program.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

The New York Energy Smart Products Program

Administrator

New York State Energy Research & Development Authority

Overview

This program is run in conjunction with National Grid, Orange & Rockland, ConEd, Rochester Gas & Electric, and New York State Electricity & Gas and is part of the larger "Products Program" which is allocated \$4.275 million annually. The goal of the program is to increase public awareness of energy efficient lighting and to educate and train retail sales staff throughout New York on ENERGY STAR and how to "up-sell" these

products. The program works with retailers on customer education and outreach, as well as buy down programs.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

Home Energy Savings Program

Administrator

PacifiCorp

Overview

PacifiCorp budgeted ~\$8 million for the lighting portion of the program, with a goal of 200,000 MWh in energy savings for 2008. The program includes buy-downs for qualifying CFLs and \$20 incentives on select lighting fixtures.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

2008 Residential Retail Lighting

Administrator

Sacramento Municipal Utility District (SMUD)

Overview

The purpose of SMUD's Residential Lighting Program is to increase the market penetration of high-efficiency light bulbs and Fixtures in Sacramento. The program

encourages increased, long-term demand for and manufacture, stocking, and sales of these products. Program goals are to save 39.6 million kWh annually and reduce 6.2 MW of summer peak load. These goals are based on program sales of 1,242,500 CFLs and 7,500 CFL fixtures. As of 2005, 13% of residential fixtures had > 1 CFL, up from 0.9% in 2000, and 9% of all light bulbs in homes were CFLs, up from 1% in 2000. The budget for 2008 was ~\$2.6 million.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

Residential Lighting Program

Administrator

Wisconsin Focus on Energy

Overview

The annual budget is approximately \$4.5 million. Focus on Energy has a participation goal of involving over 500 retailers in the program while influencing the purchase of over 1,800,000 CFLs and 30,000 Fixtures. Goals are measured in comparison to sales in a comparable baseline state.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

Home Lighting

Administrator

Xcel Energy

Overview

The annual budget is approximately \$750,000 in MN, \$280,000 in NM and \$1,000,000 in CO. The utility has savings goals of approximately 25 GWh saved in MN, 1.5 GWh in NM, and 44 GWh saved in CO. Results are evaluated by considering the number of participants, and market penetration data. Buy-downs and discounts.

Source URL

<http://www.cee1.org/files/CEEResidentialLightingProgramSummaryOctober2008.pdf>

End-use Category

Residential Lighting

Program Name

Compact Fluorescent Light Bulb Program

Administrator

Georgia Power Company

Overview

Objectives are to increase consumer awareness about the benefits of ENERGY STAR qualified compact fluorescent light bulbs. A consumer education program which works with retailers and manufacturers to help educate retailer sales reps about the benefits of ENERGY STAR qualified CFLs so they then can educate consumers at point-of-purchase. Additionally, store events are initiated in support of other special activities such as State Sales Tax Holiday (eliminates the sales tax on certain ENERGY STAR qualified products such as appliances and CFLs). To help in the consumer awareness for ENERGY STAR qualified CFLs, 120,000 CFLs are given free to Georgia consumers in support of the annual ENERGY STAR Change the World campaign in return for their written pledge to conserve energy. In 2008, more than 90 Change the World events occurred, 712 sales reps trained on benefits of ENERGY STAR qualified products, 593 store visits to maintain point-of-purchase materials.

Source URL

www.georgiapower.com/energystar/lighting.asp

End-use Category

Residential Lighting/Residential Appliance/Residential HVAC

Program Name

Smart \$aver

Administrator

Duke Energy

Overview

Smart \$aver® will provide residential customers with incentives to install more energy-efficient, ENERGY STAR® certified equipment, such as compact fluorescent light bulbs and high-efficiency air conditioners and heat pumps. The commercial and industrial customer program will provide incentives to install high-efficiency lighting, heating, ventilation, and air conditioning equipment, motors, and pumps.

Source URL

www.duke-energy.com

End-use Category

Residential Lighting

Program Name

ENERGY STAR Lighting

Administrator

NV Energy

Overview

This market-based residential project provides direct incentives to consumers, encouraging the purchase of energy efficient lighting products. The target market is reached through discounted pricing for ENERGY STAR® qualified lighting products. In 2008 the program moved more than 3.4 million compact fluorescent lamps (CFLs) into Nevada homes.

Source URL

www.nvenergy.com

End-use Category

Residential Lighting

Program Name

Change a Light, Change the World

Administrator

Kansas City Power & Light (KCP&L)

Overview

KCP&L participates in the Change the World, Start with ENERGY STAR. Change the World is a national campaign sponsored by the US Environmental Protection Agency (EPA) encouraging Americans to join with millions of others in taking small, individual steps that make a big difference in the fight against global warming. KCP&L offers instant \$2 cash-back rebates on purchases of up to six ENERGY STAR®-qualified compact fluorescent lights (CFL) at over 25 participating stores in its Missouri jurisdiction during the annual campaign that runs from Oct. 1 - Dec. 31. Through February 2009, KCP&L has had over 50,000 CFL's purchased.

Source URL

<http://www.kcpl.com/residential/ChangeLight.html>

End-use Category

Residential Lighting

Program Name

Residential Lighting and Appliance Program

Administrator

Baltimore Gas & Electric



Overview

This program is currently operational and being expanded in April and June 2009. The goal of this program is to increase awareness and sales of ENERGY STAR qualified lighting and appliances. The program focuses on providing discounts on lighting fixtures (including free-standing fixtures) and bulbs, clothes washers, refrigerators, and room air conditioners. It also includes a refrigerator/freezer turn-in program. It will run from 2009-2011, with a budget of \$23.9M and expected energy savings of 344,400 MWh.

Source URL

www.BGESmartEnergy.com

End-use Category

Residential Lighting

Program Name

ENERGY STAR Lighting Program

Administrator

National Grid

Overview

The residential ENERGY STAR Lighting Program includes interaction with all the key market players in the residential lighting market, from manufacturers to retail sales staff, with the emphasis on involving upstream market players to leverage program resources. The ongoing collection of data on overall market conditions, product availability, market share, and pricing keeps program sponsors up to date on changes in the residential lighting market. That awareness, in turn, enables sponsors to adapt program offerings as needed to maintain momentum in increasing the market share of energy-efficient lighting products. The program also supports the Program for the Evaluation and Analysis of Residential Lighting (“PEARL”), which was created to independently verify ENERGY STAR standards on randomly tested lighting products. PEARL will continue until the U.S. Department of Energy (“DOE”) implements its testing components, a process slated to be completed in 2009.

The ENERGY STAR Lighting Program includes several components designed to educate consumers about the benefits of ENERGY STAR–qualified lighting products and to make these products more affordable:

Source URL



www.nationalgridus.com

End-use Category

Residential Lighting

Program Name

PNM Home Lighting Discount Program

Administrator

PNM

Overview

In its Home Lighting Discount Program, PNM combines a manufacturer buy-down approach, an instant coupon program, and an online store to provide discounted ENERGY STAR® CFLs and fixtures to its customers. The program is promoted in alignment with the national ENERGY STAR lighting campaigns through promotional bill inserts, working with retailers in their advertising (such as point-of-purchase displays and in-store presentations), and by participating in in-store and community events. In the 2008 program year, the program's first, PNM achieved sales of over 1 million CFLs, easily surpassing the goal of 391,000. CFL incentives averaged \$0.87 per bulb. First year savings in 2008 were 24.1 GWh, which were delivered at a levelized cost of \$0.01 per lifetime kWh.

Source URL

<http://www.pnm.com/cfl/>

End-use Category

Residential Lighting

Program Name

CFL School and Community Event Program

Administrator

PNM

Overview

PNM partnered with the Sierra Club to promote the use of CFLs to residential customers by organizing school and community events. These events included education about the benefits of choosing CFLs over incandescent bulbs, CFL recycling information, and other energy-saving tips. During the 2008 program year, over 80,000 CFLs were distributed to elementary and middle school students and members of the community.

Source URL

www.pnm.com

Residential Appliance

End-use Category

Residential Appliance

Program Name

California Statewide Appliance Recycling Program

Administrator

Pacific Gas & Electric, Southern California Edison, San Diego Gas & Electric

Overview

The California investor-owned utilities jointly offer customers the Appliance Recycling Program (ARP) which pays rebates to customers who turn in their operable, old inefficient refrigerators or freezers. The returned units are taken out of service and recycled by program contractors, who also pick up the units from participating customers. PG&E's ARP targets "second refrigerators" as an attempt to reach out to the largest population sector possible. In 2007 they recycled approximately 46,829 units—an increase of 96% over 2006 levels. In 2007, PG&E's ARP saved approximately 5.3 MW of demand and 33.3 GWh. ARP was one of the most frequently cited programs by Southern California Edison (SCE) customers that helped them reduce their energy usage. In it's 13 years, SCE's ARP has recycle over 650,000 units, removed over 119 MW of demand from the grid and reduced consumption by over 650 million kWh. San Diego Gas & Electric's (SDG&E) ARP is particularly focused on long-term peak demand reduction and welcomes appliance turn-ins from small business clients. Since SDG&E's

ARP began in 2006 it has recycled 21,898 units, yielding 24.4 million kWh of savings and demand reduction of 3.8 MW.

Source URL

<http://www.aceee.org/pubs/u081/res-light-app.pdf>

End-use Category

Residential Appliance

Program Name

High Efficiency Appliance Rebate Program

Administrator

Pacific Gas & Electric

Overview

The PG&E High Efficiency Appliance Rebate Program (HEARP) offers tiered rebates of up to \$75 for “super efficient” models of a variety of appliances including clothes washers and dishwashers. PG&E has evolved efficiency standards from the ENERGY STAR® program through its work with the Consortium for Energy Efficiency. HEARP, in combination with PG&E’s suite of other rebate offerings including the Appliance Recycling Program, offers customers numerous opportunities to participate and save on their purchases of energy efficient appliances. HEARP is one of the largest high efficiency appliance programs in the country, with a total of 57,364 units sold in 2006 for an annual savings of 4,813,639 kWh and a demand reduction of 1,681 kW.

Source URL

<http://www.aceee.org/pubs/u081/res-light-app.pdf>

End-use Category

Residential Appliance

Program Name

New York Energy \$martSM Products Program

Administrator

New York State Energy Research and Development Authority

Overview

The New York Energy SmartSM Products Program (NYE\$) uses a 2-pronged approach to the promotion of ENERGY STAR® appliances, lighting, and home electronics: (1) increasing supply of qualifying products through partnerships with retailers, manufacturers and distributors, and (2) creating demand through consumer awareness and understanding of the ENERGY STAR label and the benefits of energy efficiency. NYE\$ provides retail and manufacturing partners with free point-of-purchase materials, staff training, assistance with cooperative advertising funds, promotional development. Since the program's inception in 1999 over 6,500 retail staff trainings have been administered by the program with the 734 current active partners and 22 partnering manufacturers. The direct energy savings to date from the sale of efficient products in program partner stores is 647 GWh.

Source URL

<http://www.aceee.org/pubs/u081/res-light-app.pdf>

End-use Category

Residential Appliance

Program Name

Northeast ENERGY STAR® Lighting and Appliance Initiative

Administrator

Sponsoring Organizations: Cape Lighting Compact, Connecticut Light & Power, Efficiency Vermont, Long Island Power Authority, National Grid, NSTAR Electric, The United Illumination Company, Unitil and Western Massachusetts Electric Company

Overview

The Northeast ENERGY STAR Lighting and Appliance Initiatives mission is to promote residential energy efficiency in the Northeast through regionally coordinated programs that increase the market penetration of ENERGY STAR qualified lighting and appliances. Each year the sponsoring organizations execute a residential customer-focused lighting and appliance energy efficiency program that includes customer incentives, a multi-media marketing plan, and field service outreach to participating

retailers. Goals of the initiative include increased awareness and sales of ENERGY STAR products, increased retailer and manufacturer support in promoting ENERGY STAR products, increased brand equity for ENERGY STAR and the establishment of myenergystar.com as the premier resource for energy efficiency in the region. By enlisting over 2,600 retail partners, the initiative has boosted the regional market share of ENERGY STAR qualified products significantly above the national average. For savings achievements, contact individual sponsoring organizations.

Source URL

<http://www.aceee.org/pubs/u081/res-light-app.pdf>

End-use Category

Residential Appliance

Program Name

Prescriptive Rebates/Appliance Recycling

Administrator

Alliant Energy

Overview

Alliant Energy's Washer Rebate program's goal is to increase the market penetration of energy-efficient clothes washers. The program has a downstream focus, targeting residential consumers, and offers an incentive of \$100 for vertical axis/horizontal axis clothes washers. The Appliance Recycling program's goal is to remove secondary refrigerators, freezers and air conditioner units from the marketplace. It has a downstream focus, targeting residential consumers and offers a \$35 rebate per working appliance that is picked up and recycled. Both programs are components of Alliant's prescriptive rebate program, and are primarily marketed through bill inserts, bill messages, direct mail, and point-of-purchase materials. Neither program incorporates upstream training. The Appliance Recycling program recycles refrigerators and freezers at least 10 cubic feet or larger in size (no commercial units) and room air conditioners. Customers schedule an appointment with a third party recycling vendor who picks up the appliance from the customers home, distributes a check and utility reference materials at pick-up and then recycles the units at their central facility.

Source URL

<http://www.cee1.org/files/CEEApplianceProgramSummaryOctober2008.pdf>

End-use Category

Residential Appliance

Program Name

BGE Smart Energy Savers ProgramSM

Administrator

Baltimore Gas & Electric

Overview

BGE Smart Energy Savers Program hopes to maximize number of ENERGY STAR qualifying appliances rebated in 2008. The program currently rebates washers, refrigerators and freezers. The program is evaluated by the number of sales, the reason for purchase, customer satisfaction and awareness, increasing retail sales partners, and supporting the overall BGE brand. The program focuses on both the customer and the retailer. It is targeted towards customers located within the BGE service territory as well as appliance retailers within the BGE territory. The program offers rebates of \$50-\$75 on clothes washers, refrigerators and freezers for qualified ENERGY STAR appliances. Training is provided to the retailer sales associates. The program uses in store materials, flyers, brochures, bill inserts, events, online, and radio as marketing and outreach materials. In 2009, the program plans to continue to expand participating retail partners, support ENERGY STAR appliance campaigns. Pending Maryland PSC approval, expand program to include more ENERGY STAR qualifying appliances.

Source URL

<http://www.cee1.org/files/CEEApplianceProgramSummaryOctober2008.pdf>

End-use Category

Residential Appliance

Program Name

ENERGY STAR® Products

Administrator



Energy Trust of Oregon

Overview

The ENERGY STAR Products program aims to increase market penetration of high-efficiency, ENERGY STAR qualified clothes washers, refrigerators, and lighting. The 2008 incentive budget for this program is \$5,608,513. Program goals & objectives are as follows: Clothes Washers - The program aims to achieve increased market penetration of high-efficiency washing machines. Its savings goals are 2,019,890 kWh in electric savings and 41,491.20 therms in gas savings. Refrigerators - The program aims to achieve increased market penetration of high-efficiency refrigerators. Its savings goals are 9,094,876 kWh in electric savings. Lighting - The program aims to achieve increased market penetration of high-efficiency lighting. Its savings goals are 62,915,051 kWh in electric savings. The program's results are evaluated using market penetration and unit goals. The program offers a \$75 consumer rebate for clothes washers with a Modified Energy Factor (MEF) of 2.0-2.1. A \$100 consumer rebate for clothes washers with a MEF of 2.2 or higher is also available for those who qualify. The program offers a \$50 consumer rebate for refrigerators that are 20% more efficient than federal standards. Incentives are marketed with point-of-purchase materials, through the Energy Trust website, and in utility bill stuffers. The program provides training for both consumers and retailers participating in the ENERGY STAR Products Program. Consumer outreach and marketing is done on a consumer level, while retailers are regularly visited and trained by ENERGY STAR field staff. Field staff assist retailers in obtaining marketing support and additional education on the ENERGY STAR label and ENERGY STAR products being offered by the program. The program is designing our 2009 program at this time. Our plans are to continue with 2008 products and possibly introduce incentives for consumer electronics in 2009.

Source URL

<http://www.cce1.org/files/CEEApplianceProgramSummaryOctober2008.pdf>

<http://www.energytrust.org/residential/es/products/index.html>

End-use Category

Residential Appliance

Program Name

Energy Wise Appliances with Energy Star

Administrator

Great River Energy

Overview

The Energy Wise Appliance program has a primarily downstream focus. It targets residential customers and offers incentives that range from \$25 rebates to \$150 point of purchase discounts depending on appliance and proper disposal of existing appliance. 2008 rebate budget for appliances is \$1.1 million. The program recycles refrigerators and all appliances for income eligible replacement programs. Receipt for proper disposal/recycling prior to rebate payment. Program objectives are to: • Provide support for retail distribution cooperatives in the promotion of Energy Star qualified appliances through training, marketing, financial incentives, and public relations. • Increase consumer awareness on energy efficiency • Increase purchases Energy Star appliances • Decrease consumer electric bills through energy efficiency • Increase energy savings to meet Regulatory goals. Marketing efforts include POP, bill inserts, news letters, internet, and call centers.

Source URL

<http://www.cee1.org/files/CEEApplianceProgramSummaryOctober2008.pdf>

End-use Category

Residential Appliance

Program Name

Consumer Rebate Program

Administrator

Los Angeles Department of Water and Power (LADWP)

Overview

LADWP's Consumer Rebate Program currently has a downstream focus with plans for Point of Sale rebates under development. It targets residential consumers and retailers, and has been recently expanded to provide rebates to owners of multifamily dwelling complexes. It offers the following cash incentives for appliances: ENERGY STAR refrigerator (new) \$65, refrigerator recycling (old) \$35, ENERGY STAR room air conditioner \$50. The program does not provide any upstream training. The program's budget cycle is annual with a budget for the 2008-2009 fiscal year (7/1/08-6/30/09) of

\$2,166,800. The program's objectives are to familiarize consumers with ENERGY STAR-rated appliances and to assist them in making energy-efficient purchases via cash rebates. Products covered include ENERGY STAR refrigerators (rebates for new products and incentives to recycle old products), central air conditioners and room air conditioners. The 2008-2009 program's savings goal is .49 MW and 1.2 million GWh annually. LADWP intends to expand the existing Consumer Rebate Program to a Point of Sale Incentive Program for qualifying products purchased through retailers in the LADWP service territory. Customers will receive the cash incentive as a discount on the purchase of an Energy Star ® qualified appliance product. Marketing activities include promotion at community events, literature at LADWP business offices, material on the LADWP web page, and mass media (radio and print) advertising.

Source URL

<http://www.cee1.org/files/CEEApplianceProgramSummaryOctober2008.pdf>

End-use Category

Residential Appliance

Program Name

Home Energy Savings program

Administrator

PacifiCorp

Overview

The Home Energy Savings program is a program that services PacifiCorp's residential customers in Washington, California, Idaho, Utah and Wyoming. The program was developed to increase awareness among contractors and customers within PacifiCorp's service area of the energy saving benefits of properly installing and operating high efficiency heating and cooling equipment. To encourage interest and increase knowledge about energy-efficient heating and cooling equipment and services, the program offers a comprehensive suite of incentives. Incentives are offered in the areas of appliances and lighting, home improvement, new homes and HVAC measures. Field staff supports contractors and retailers through promotional support, training, cooperative advertising and outreach events. Annual budget is \$8.3 million. The program aims to save 9,000 net MWh in 2008. To evaluate results, PacifiCorp considers the number of units and unique participants. No major changes to program design are planned for 2009. The program

uses a variety of marketing tactics from general point-of-purchase materials to print advertising and website features.

Source URL

<http://www.cee1.org/files/CEEApplianceProgramSummaryOctober2008.pdf>

End-use Category

Residential Appliance

Program Name

WashWise Clothes Washer Rebate Program, Refrigerator Decommissioning and Recycling Program

Administrator

Tacoma Power/Tacoma Public Utilities (TPU)

Overview

The WashWise Clothes Washer Rebate program has a downstream focus targeting single-family residential customers, offering mail-in rebates of: \$50 for Tier 1 units, \$75 for Tier 2 units, and \$100 for Tier 3 units. The current program budget cycle is September 2007 through December 2008 with a budget of \$239,398.00. The program hopes to rebate 1,914 units by the end of 2008 and save 2,178,700 kWh and 13,051,240 gallons of water. The program has a secondary objective of geightening customer awareness and increase market penetration for high-efficiency clothes washers. The program plans to continue offering a 3 tiered incentive in 2009. Marketing and outreach efforts include: bill inserts, website, community events, workshops, retailer point-of-sales materials, PSAs, Spanish translated materials and the use of posters and displays. Marketing message: save money, energy, water, and help protect the environment.

The Refrigerator Decommissioning and Recycling Program has a Downstream focus targeting single family residential customers. The program offers a \$30 incentive per unit - up to two units per household. Customers receive a showerhead and aerator and compact fluorescent light bulb. The current program budget cycle is June 2007 through December 2008 with a budget of \$390,000.00. Program goals include removing 3000 old refrigerator/freezers by the end 2008 and saving 1,455,800 kWh. The program plans to continue offering free pick up and a \$30 incentive in 2009. Marketing message: save money, save energy and help protect the environment.

Source URL

<http://www.cee1.org/files/CEEApplianceProgramSummaryOctober2008.pdf>

End-use Category

Residential Appliance

Program Name

Focus on Energy

Administrator

Wisconsin Focus on Energy

Overview

The Focus on Energy program targets residential, multifamily, agricultural and small business customers. Focus on Energy has partnered with appliance retailers across Wisconsin. Six field representatives visit retailers to label ENERGY STAR-qualified products, train salespeople, and deliver information on available incentives. Starting in 2009 (program years match calendar years), Focus on Energy will not have incentives available on ENERGY STAR qualified appliances. The program's objective is to provide support for retail channels for the sale and promotion of ENERGY STAR-qualified appliances through training, marketing materials, cooperative Cash-Back Rewards, and PR. Goals include:

- Increasing market penetration of energy-efficient technologies
- Increasing consumer awareness for ENERGY STAR products
- Increasing electric system reliability
- Improving markets for energy-efficient products
- Reducing residential utility bills through the use of high-efficiency products.
- The program does not have savings goals associated with the appliance program.

The program collects clothes washer sales data reports from independent appliance retailers that allow the program to calculate the market share of ENERGY STAR qualified clothes washers. The program will continue to work with appliance retail partners to serve as a resource for information and trainings on ENERGY STAR qualified appliances. Focus on Energy attends various builder and home shows as well as

public functions such as state and county fairs to provide information on energy efficiency products to consumers, builders and contractors. Marketing efforts include point-of-purchase labeling at appliance retailers, bill stuffers, and cross promotions through other Focus on Energy programs including the Wisconsin ENERGY STAR Homes and Home Performance with ENERGY STAR programs.

Source URL

<http://www.cee1.org/files/CEEApplianceProgramSummaryOctober2008.pdf>

End-use Category

Residential Appliances

Program Name

Solar thermal water heating

Administrator

Gulf Power

Overview

The solar thermal water heating program is a pilot providing a \$1000 rebate for customers of Gulf Power who have a qualified contractor install a qualified solar thermal water heating system in their home. This program supplements an additional \$500 rebate offered by the state of Florida along with a 30% federal tax credit. The pilot status of this program will require it to be evaluated at the end of 2009.

Source

<http://www.gulfpower.com/renewable/solarenergy.asp>

End-use Category

Residential Appliance

Program Name

ENERGY STAR Appliance Program

Administrator

Georgia Power Company

Overview

Objectives are to increase consumer awareness about the benefits of ENERGY STAR qualified appliances. A consumer education program which works with retailers and manufacturers to help educate retailer sales reps about the benefits of ENERGY STAR appliances so they then can educate consumers at point-of-purchase. Additionally, store events are initiated in support of other special activities such as State Sales Tax Holiday (eliminates the sales tax on certain ENERGY STAR qualified products such as appliances and CFLs). In 2008, more than 45 in-store events were hosted, 712 sales reps trained on benefits of ENERGY STAR qualified products, 593 store visits to maintain point-of-purchase materials.

Source URL

www.georgiapower.com/energystar/appliance.asp

End-use Category

Residential Appliance

Program Name

Refrigerator Recycling Program

Administrator

Georgia Power Company

Overview

Objectives are to increase consumer awareness about the benefits of removing the second refrigerator and/or freezer. The program is a pilot program in the Metro Atlanta area. Second refrigerators and/or freezers are picked up and recycled free of charge and customers receive an additional \$35 incentive. The program started late in 2008 with over 2,700 customers participating by year-end 2008.

Source URL

www.georgiapower.com/energystar/refrigerators.asp

End-use Category



Residential Appliance

Program Name

Marathon® Water Heater Program, Electric Water Heater Insulation Blanket Program

Administrator

Georgia Power Company

Overview

The Marathon program offers existing residential and small commercial customers a \$525 rebate for converting their current gas water heater to a high efficient Marathon water heater. A Marathon water heater is one of the most efficient water heaters on the market and it carries a lifetime warranty. Along with using less energy, the unit is environmentally friendly as well, since the tank is designed to never need replacing, fewer water heaters end up in landfills.

The objectives of the Water Heater Insulation Blanket Program are to install water heater insulation blankets on customers' electric water heaters as part of doing in-home energy audits or as part of the Home Performance with ENERGY STAR program. The program is a pilot program with 238 insulation blankets installed in 2008.

Source URL

www.georgiapower.com/residential/waterheater_marathon.asp

End-use Category

Residential Appliance (see also: Residential HVAC/Residential Lighting)

Program Name

Smart \$aver

Administrator

Duke Energy

Overview

Smart \$aver® will provide residential customers with incentives to install more energy-efficient, ENERGY STAR® certified equipment, such as compact fluorescent light bulbs and high-efficiency air conditioners and heat pumps. The commercial and industrial

customer program will provide incentives to install high-efficiency lighting, heating, ventilation, and air conditioning equipment, motors, and pumps.

Source URL

www.duke-energy.com

End-use Category

Residential Appliance

Program Name

Second Refrigerator Collection and Recycling

Administrator

NV Energy

Overview

This program is designed to help customers reduce their energy consumption by removing a functional second refrigerator or freezer from their home. The second refrigerator is dismantled and recycled, permanently removing it from the electric system. The process safely disposes of any environmentally harmful materials and recycles most of the remaining materials.

Source URL

www.nvenergy.com

End-use Category

Residential Appliance

Program Name

Energy Efficient Pool Pumps

Administrator

NV Energy

Overview

This project provides incentives to residential customers who retrofit their pools with energy efficient, variable-speed pool pumps.

Source URL

www.nvenergy.com

End-use Category

Residential Appliance

Program Name

ENERGY STAR® Appliances (ENERGY STAR Products)

Administrator

National Grid

Overview

The ENERGY STAR Consumer Products Program educates consumers about the benefits of ENERGY STAR–qualified products to increase consumer acceptance of those appliances and consumer electronics and to encourage them to look for and purchase ENERGY STAR–qualified models when they shop.

The sponsors plan to negotiate with interested manufacturers and retailers to leverage rebate and/or marketing funding. Federal tax credits available to domestic manufacturers that increase their production of high-efficiency models provide an excellent opportunity to work with manufacturers.

The program promotes all high-efficiency ENERGY STAR–qualifying appliances at the point of sale by providing promotional literature and displays to retailers, working with sales staffs to ensure they understand and can accurately market the benefits of ENERGY STAR–qualified appliances, and providing labels to identify models that meet ENERGY STAR standards. Select electronics also will be included in these activities.

The program supports raising federal and ENERGY STAR standards for appliances by promoting ENERGY STAR–qualified products. As particular ENERGY STAR–qualified products achieve a high share of market sales, the sponsors and other interested parties are in a good position to advocate for higher minimum federal and ENERGY STAR energy-efficiency standards.

The program also actively participates in national ENERGY STAR awareness campaigns developed by the EPA.

Source URL

<http://www.nationalgridus.com/>

End-use Category

Residential Appliance

Program Name

Demand Reduction Technology Pilot

Administrator

National Grid

Overview

The pilot will assess the costs and benefits of power cost monitors and other demand reduction devices in residential households in Massachusetts. The pilot design includes a plan to install these and gather information on customer satisfaction and behavior modification, and a plan for testing various marketing methods.

Source URL

<http://www.nationalgridus.com/>

End-use Category

Residential Appliance

Program Name

PNM Refrigerator Recycling Program

Administrator

PNM

Overview

In late 2007, PNM launched its Refrigerator Recycling Program, which offers customers a \$30 incentive to recycle old, inefficient refrigerators and freezers. During the 2008 Program Year, the program was responsible for the recycling of over 8,500 units, which in addition to realizing significant energy savings also had significant environmental benefits. The PNM Refrigerator Recycling Program was promoted to customers through print and television advertising, customer bill inserts, and point-of-purchase materials in retail environments. PNM hopes to offer this program to commercial customers in the future.

Source URL

<http://www.pnm.com/fridge/>

Residential HVAC

End-use Category

Residential HVAC

Program Name

COOLAdvantage Program

Administrator

New Jersey Board of Public Utilities, Office of Clean Energy; Atlantic City Electric; Jersey Central Power and Light Company; Public Service Electric and Gas Company; Rockland Electric

Overview

Administered by the Office of Clean Energy, New Jersey Board of Public Utilities, the COOLAdvantage program works to increase the purchase and proper installation of high efficiency central air-conditioning, heat pump, and geothermal heat pump technologies by providing outreach and training to contractors regarding best installation practices and customer rebates to those buying qualifying energy efficient equipment. Rebate amounts are based on the units' seasonal energy efficiency ratio (SEER) and energy efficiency ratio (EER) and are contingent upon verification of proper installation requirements. In 2006 COOLAdvantage trained over 1060 HVAC technicians in various course areas. 2006 program participation topped 13,200 with annual savings of 11.5 GWh of energy and demand reduction of 9.6 MW.

Source URL

<http://www.aceee.org/pubs/u081/res-mech-systems.pdf>

End-use Category

Residential HVAC

Program Name

Cool Homes

Administrator

Long Island Power Authority

Overview

Cool Homes offers financial incentives to homeowners and contractors for installation of high-efficiency and properly sized and installed central (split) cooling systems. These incentives are accessed through a network of approved participating contractors who have received specialized training using the CheckME! Quality Installation Verification system. Verification of rated efficiency has been accomplished by a requirement that all equipment be rated and listed by the Air-Conditioning and Refrigeration Institute. In 2001 the program added a requirement that cooling loads and equipments size for all installations must be determined using the current version of Manual J made available by the Air-Conditioning Contractors Association. Since its inception Cool Homes has installed approximately 40,000 qualifying central A/C units and resulted in over 29 GWh and 43 MW of annual savings and over 119.5 GWh and 168.4 MW of cumulative savings.

Source URL

<http://www.aceee.org/pubs/u081/res-mech-systems.pdf>

End-use Category

Residential HVAC

Program Name

Heating, Cooling and Comfort Measure Rebates

Administrator

Alliant Energy-Interstate Power & Light Co.

Overview

Established in 1995, the Heating, Cooling, and Comfort Measure Rebates program serves Alliant customers in Iowa and Minnesota by rebating up to \$350 for purchase of central air conditioners with a SEER rating of 12 or higher as well as low-interest financing for equipment that meets the minimum energy efficiency standard

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Residential Efficiency Program

Administrator

Austin Energy

Overview

Providing cash incentives of up to \$600 for split system and packaged system central air conditioners in new and existing homes, Austin Energy's Residential Efficiency Program achieved 23 kW of peak demand reduction in 2005. The program provides financing through a local financial institution and buys down interest for qualified participants to as low as 0%. The program verifies proper installation of 100% of units incented, and has a new training component to stimulate the local market for contractors certified through the Building Performance Institute.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Massachusetts COOL SMART with ENERGY STAR

Administrator

Cape Light Compact, National Grid, Northeast Utilities, NSTAR Electric and Unitil

Overview

COOL SMART with ENERGY STAR is a residential central air conditioning and air source heat pump rebate program with both an upstream and a downstream focus that promotes best installation practices, education, and training for HVAC technicians/contractors, and the sales and purchases of ENERGY STAR qualified high-efficiency air conditioning equipment. In 2005, the program's goal was to complete 1,676 equipment rebates.

Other program objectives include:

- Developing a contractor infrastructure that supports and promotes quality installation practices
- Providing third-party verification of quality installations
- Raising consumer awareness and understanding of the benefits of high efficiency HVAC equipment and quality installation practices
- Educating customers and assisting contractors in promoting Quality Installation Verification (QIV) services and other aspects of quality installation, including ENERGY STAR equipment installations, checking charge and airflow, proper sizing and NATE certification

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Residential Heating and Cooling Program

Administrator

Connecticut Light & Power and United Illuminating Company

Overview

The objective of the joint CL&P and UI Residential Heating and Cooling Program is to reduce energy use and system peak demand through residential central air conditioning system equipment upgrades, commissioning of new installations, best practice installation, and tuning-up existing systems. CL&P's goal is the installation of 4,073 units. UI's goal is the installation of 3,400 units. This includes the contractor commissioning incentive, tune-up incentive and customer rebates. This program targets residential HVAC installations in new and existing homes. Equipment efficiency upgrades will be promoted to customers purchasing new systems or replacing existing central air conditioning units that are failing or have failed. Maintenance tune-ups will be promoted to customers with existing systems. North American Technician Excellence (NATE) or other best practice training and certification will be promoted to contractors.

Source URL

http://www.cce1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Consumer Rebate Program

Administrator

Los Angeles Department of Water & Power

Overview

Established in 2003, the Consumer Rebate Program targets residential consumers in Los Angeles by offering tiered efficiency rebates for energy efficient central air conditioners and heat pumps. The program's goals for program year 2005 were 1.8 MW peak savings and 1.4 GWH energy savings.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Residential Equipment Program

Administrator

MidAmerican Energy

Overview

The Residential Equipment Program targets all Iowa residential customers replacing existing HVAC equipment, as well as residential customers purchasing equipment for the first time. Any business that sells or installs qualifying equipment within MidAmerican's Iowa service territory is also targeted. HVAC dealers, plumbers and large retail outlets are predominant trade allies in this program. Program participants receive tiered financial incentives for central air conditioners and air source heat pumps with SEER of 12 or higher. 2008 program budget was \$3.7 Million. Savings goals for 2004-2008 budget cycle were 24.5 GWh and 28 MW.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Rhode Island COOL CHANGE with ENERGY STAR

Administrator

National Grid (Narragansett Electric)

Overview

The Rhode Island COOL CHANGE program promotes best installation practices, education, and training for HVAC technicians/contractors, and the sales and purchases of ENERGY STAR qualified high-efficiency air conditioning equipment with tiered efficiency rebates. The program's 2005 goal is 210 equipment rebates.

Other program objectives include:

- Increasing energy and demand savings by supporting increases to national voluntary specifications and proper installation of high-efficiency HVAC equipment
- Developing a contractor infrastructure that supports and promotes quality installation practices
- Providing third-party verification of quality installations
- Raising consumer awareness and understanding of the benefits of high efficiency HVAC equipment and quality installation practices

Source URL

http://www.cce1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

New York State Residential ENERGY STAR HVAC Training, Education, Certification, & Awareness (TECA) Program

Administrator

New York State Energy Research and Development Authority (NYSERDA)

Overview

The New York State TECA program targets manufacturers, distributors, and trade, training, and certification organizations. The program objectives are to:

- Develop partnerships between manufacturers, distributors, and trade, training and certification organizations

- Build a statewide network of quality-focused residential HVAC contractors that are trained and certified in building sciences and that employ technicians certified by NATE and BPI
- Ensure proper installation and service of ENERGY STAR labeled HVAC systems to achieve permanent reductions in energy consumption, peak load, and environmental pollutants.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

2004 / 2005 HVAC Program

Administrator

Pacific Gas and Electric

Overview

The 2004 / 2005 HVAC Program from PG&E targets the upstream market for HVAC installation and contracting and the downstream residential market for equipment purchases through a combination of training, tiered purchase rebates on ENERGY STAR and CEE certified efficient equipment.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Cool Cash Incentive Program

Administrator



PacifiCorp (d.b.a. Utah Power)

Overview

The objective of the Cool Cash Incentive Program is to increase equipment and installation efficiency of new residential central AC units. The program has a target for net annual energy savings of 1,960 MWh with 5,300 qualifying equipment installations. The program targets residential customers that have already decided to purchase or replace a central AC unit while outreach efforts also target upstream participation by dealers, supported by available dealer incentives. The program also provides incentives for evaporative cooling.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Equipment Efficiency Program

Administrator

Sacramento Municipal Utility District

Overview

The Equipment Efficiency Program targets residential home owners, HVAC contractors, and homeimprovement retailers with low-interest financing for efficiency upgrades, cash rebates for CEE tier 2 and 3 central air conditioners and heat pumps. 2005 program budget was \$2.53 million with \$10-\$15 million available in customer financing. Programs goals were 2 GWh of energy savings and 2.0 MW of summer peak-load reductions.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Single Family Rebate Program

Administrator

San Diego Gas and Electric

Overview

The Single Family Rebate Program has a downstream focus. It targets single-family home owners, renters, mobile-homes, and other residential customers (up to a four-plex) for rebates on new central air conditioners and heat pumps that meet requirements for CEE tiers 1-3.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Single Family Energy Efficiency Rebate Program (SFEER)

Administrator

Southern California Edison

Overview

Primarily targeted to contractors, the Single Family Energy Efficiency Rebate Program rebates purchase of CEE tier 1 and 2 split and packaged air conditioning systems. In 2004 the program saved 5.6 million kWh and 9.1 MW of peak demand.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Heat Pump System Rebate

Administrator

Tacoma Power

Overview

Targeting residential customers with existing electric heat and new residential construction, the Heat Pump System Rebate program provides rebates of \$750 for heat pumps installed with verified of tight delivery systems that exceed ENERGY STAR specification. 2005 program goal was 500,000 kWh saved through use of \$262,000 incentive budget.

Source URL

http://www.cceel.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Efficient Heating and Cooling Initiative (EHCI)

Administrator

Wisconsin Department of Administration, Focus on Energy

Overview

The Efficient Heating and Cooling Initiative primarily works with HVAC equipment distributors to deliver program rebates to contractors, who ultimately deliver the program to consumers. In the past, the program worked exclusively in the residential sectors but now has added businesses as a target consumer. Program goals include:

- Increasing market penetration of energy efficient technologies.
- Increasing electric system reliability and improving markets for energy-efficient products.

- Reducing Wisconsin residential utility bills through the use of energy-efficient products.

Source URL

http://www.cee1.org/resid/rs-ac/Res_HVAC_PS05.pdf

End-use Category

Residential HVAC

Program Name

Residential HVAC Program

Administrator

Consolidated Edison

Overview

The Residential HVAC Program offers rebates for the installation and proper sizing of energy efficient heating, cooling and hot water heating equipment and control measures such as programmable thermostats. The rebates consist of a dollar rebate for specified electric HVAC measures, available to residential buildings with up to four units. This program promotes the installation of SEER 15 or higher rated energy efficient central air conditioning units, central air heat pumps, duct and air sealing, ECM furnace fans, electric water heat pumps, and programmable thermostats at the time of replacement or in residential new construction situations. These measures will be installed on a turn-key basis by independent contractors. Con Edison will launch in June 2009 with an expected savings target of 1,933 MWh in 2009, and continue these offerings through 2011, for a total reduction of 7,086 MWh.

Source URL

www.coned.com

End-use Category

Residential HVAC

Program Name

Residential Geothermal Heating and Cooling

Administrator

Gulf Power

Overview

Gulf Power has been promoting the installation of geothermal heating and cooling systems since 1994, and currently offers a \$400 per ton incentive for the installation of a geothermal heat pump system. In addition to garnering endorsements from both the U.S. Department of Energy and the U.S. Environmental Protection Agency, geothermal HVAC systems boast some of the highest efficiencies and longest equipment lives available. They also have some of lowest operation and maintenance costs. Through the history of the program, residential customers in Gulf Power's service territory have installed over 2500 systems.

Source

<http://www.gulfpower.com/residential/geoexchange.asp>

End-use Category

Residential HVAC/Residential Lighting/Appliance

Program Name

Smart Saver

Administrator

Duke Energy

Overview

Smart Saver® will provide residential customers with incentives to install more energy-efficient, ENERGY STAR® certified equipment, such as compact fluorescent light bulbs and high-efficiency air conditioners and heat pumps. The commercial and industrial customer program will provide incentives to install high-efficiency lighting, heating, ventilation, and air conditioning equipment, motors, and pumps.

Source URL

www.duke-energy.com

End-use Category

Residential HVAC

Program Name

High Efficiency AC Rebate and Tune-Up

Administrator

NV Energy

Overview

The program provides incentives for home owners and residential home builders to install high efficiency air conditioning equipment, for a quality installation of that equipment and for the tune up of existing air conditioning units.

Source URL

www.nvenergy.com

End-use Category

Residential HVAC

Program Name

Cool Homes

Administrator

Kansas City Power & Light (KCP&L)

Overview

Cool Homes offers rebate of up \$850 to homeowners for installation of high-efficiency and properly sized and installed central (split) cooling systems or heat pump. These incentives are accessed through a network of approved participating contractors who have received specialized training using the CheckME! Quality Installation Verification system. All customers receiving a CheckMe! evaluation receive a free six-pack of compact fluorescent light bulbs.

Rebates are applied, per system, toward the purchase of the high-efficiency equipment through the contractor. Customers may qualify for basic maintenance services to help

tune-up qualifying equipment if they do not purchase a new system. Since its inception over 4,800 customers have participated in the program by receiving a free CheckME! Or purchase of qualifying central A/C units, which has resulted in over 8,300 MWh and 5 MW of annual savings.

Source URL

<http://www.kcpl.com/coolhomes/>

End-use Category

Residential Lighting

Program Name

Residential HVAC

Administrator

Baltimore Gas & Electric

Overview

HVAC rebates are being launched in April 2009 and rest of program in June 2009. Goal of the program is to increase the sales of high efficiency HVAC equipment (gas and electric) and improve the operating efficiency of HVAC equipment through quality installation verification (QIV), proper tune-up, and duct sealing services. Incentives are offered on heat pumps, gas furnaces, HVAC repair/diagnostics, and duct sealing. It will run from 2009-2011, with a budget of \$13.6M and expected energy savings of 17,300 MWh.

Source URL

www.BGESmartEnergy.com

End-use Category

Residential air conditioning

Program Name

Residential Building Envelope Program; DUCT System Testing and Repair Program; Residential Air Conditioning Program

Administrator

Florida Power & Light Company

Overview

The Residential Building Envelope Program is designed to encourage qualified customers to install energy-efficient roof and ceiling insulation measures that cost-effectively reduce FPL's coincident peak air conditioning load and customer energy consumption. The objective is accomplished by providing customer incentives to facilitate the installation of these measures, which include ceiling and roof insulation and reflective roof measures.

FPL makes residential customers aware of this program through contractors, retail outlets, other trade allies, appropriate advertising and promotion activities, as well as direct contact with potential participants by FPL personnel.

In 2007, there were 15,769 installations in this program for a peak load savings of 6,937 kW.

The objective of FPL's Duct System Testing and Repair Program is to encourage demand and energy conservation through air leak identification in air conditioning duct systems and repair of those leaks by qualified contractors. This objective is accomplished by performing on-site tests at the customers' premises, identifying leak sites and providing incentives to customers for leak repairs. FPL makes residential customers aware of this program through contractors, retail outlets and other trade allies, appropriate advertising and promotion activities, as well as direct contact with potential participants by FPL personnel.

In 2007, there were 31,605 installations in the program for a peak load savings of 4,240 kW.

The Residential Air Conditioning Program is designed to reduce the summer and winter coincident peak demand and energy attributable to central heating and air conditioning equipment by encouraging customers, through the use of incentives, to purchase higher efficiency equipment. The program also offers incentives for identification and repair of plenum leaks, for performance of heat load calculations for proper sizing of air conditioning equipment and for the installation of ECM's (electronically commutated motors) in the air handlers.

FPL makes residential customers aware of this program through contractors, retail outlets, other trade allies, appropriate advertising and promotion activities, as well as direct contact with potential participants by FPL personnel.

In 2007, there were 33,516 installations in the program for a leak load savings of 17,148 kW.

Source URL

http://www.fpl.com/residential/savings/energy_advisor/building_envelope/guide_insulating.shtml

http://www.fpl.com/residential/savings/energy_advisor/cooling_heating/ducttest.shtml

http://www.fpl.com/residential/savings/energy_advisor/ac_buying_guide/ac_buying_guide.shtml

End-use Category

Residential HVAC

Program Name

ENERGY STAR® HVAC Program

Administrator

National Grid

Overview

The aim of the ENERGY STAR HVAC program is to raise residential consumer awareness of the benefits of purchasing and properly installing high-efficiency cooling equipment and systems, and to increase the market share of ENERGY STAR–labeled warm-air furnaces equipped with an electronically commutated motor (“ECM”) or equivalent advanced furnace fan system and cooling equipment for existing systems to reduce duct leakage and ensure proper operation through digital tune-ups.

The sponsors introduced their rebate program for ENERGY STAR–labeled central air conditioning units, which are now called COOL SMART, on April 1, 2004. The heating component of the program, a joint electric and gas offering, started in 2003.

In 2009, the COOL SMART Program will be a joint offering from NSTAR and National Grid. (COOL SMART is also available in Rhode Island, where it is delivered by the vendor that delivers the program in Massachusetts.)

Western Massachusetts Electric, Unitil, and Cape Light Compact did not offer the program in 2007 or 2008. However, all three will be offering a number of program elements in 2009 as budgets allow and service territory issues demand.

The heating component of the program will be offered jointly in 2009 by Cape Light Compact, National Grid and NSTAR, and Western Massachusetts Electric. Utilities participation will be based on the availability of funding.

Source URL

<http://www.nationalgridus.com/>

End-use Category

Residential HVAC

Program Name

HEAT Loan Pilot Program

Administrator

National Grid

Overview

The program provides financial assistance in the form of subsidized loan payments for loans to fund the purchase of eligible improvements. The HEAT Loan Pilot Program will utilize up to \$5 million statewide in systems benefit charges (“SBC”) collected from electric utility ratepayers as provided in Section 19 of Chapter 25 of the Massachusetts General Laws. The SBC funds will be used to pay down the interest rate on loans issued by participating lending institutions to borrowers who purchase eligible energy-efficient improvements.

Source URL

<https://www.nationalgridus.com/masselectric/>

Residential Low-Income

End-use Category

Residential Low-Income

Program Name

Appliance Management Program & Low Income Services

Administrator

National Grid

Overview

The Appliance Management Program delivers electric savings to low income customers in 1-4 unit buildings by a combination of home appliance surveys, education about appliance energy use, installation of energy-saving measures, and funding low income weatherization and heating system replacement for homes heating with electricity, oil, propane, and wood. The program includes direct outreach, public relations, and TV advertising in Spanish and Portuguese. Since 1996 the program has delivered more than 42,000 MWh in cumulative annual savings, 542,000 MWh in lifetime savings, and has served more than 40,000 customers, with an associated cumulative carbon savings of over 289,000 tons of Carbon Dioxide over the program lifetime. Research shows that the program has participation of about 25% of the eligible customers and lowers low-income household electricity bills by \$108 per year.

Source URL

<http://www.aceee.org/pubs/u081/low-income.pdf>

End-use Category

Residential Low-Income

Program Name

Electric Partnership Program—High Use Program

Administrator

Ohio Department of Development, Ohio Energy Office

Overview

The Electric Partnership Program (EPP) High Use program was designed to provide cost-effective usage reduction services to customers in the Ohio Percentage of Income Payment Plan (PIPP), targeting PIPP customers with electric baseload usage over 6000 kWh annually. Measures include extensive lighting retrofits, replacement/reduction of inefficient refrigerators and freezers, electric hot water reduction measures, energy education and some miscellaneous measures. Most customers receive one in-home visit that includes an introduction to the program, analysis of the customer's usage, an energy tour, energy education, and an action plan. Customers also receive at least one follow-up contact to remind them of their responsibilities and to review the benefits of the program. Energy savings are estimated at 1,615 kWh per year average for the 6,194 participants, resulting in lifetime bill savings of \$8.7 million.

Source URL



<http://www.aceee.org/pubs/u081/low-income.pdf>

End-use Category

Residential Low-Income

Program Name

EmPower New York

Administrator

New York State Energy Research & Development Authority

Overview

The EmPower New York Program serves low-income customers and targets 1-4 family homes and small multifamily buildings with cost effective energy efficiency measures, particularly lighting and refrigerator replacements. Home performance services, such as insulation, heating system repair, and air sealing are provided in situations where they offer the best means of improving energy affordability. Whenever possible, services are coordinated and cost shared with the Weatherization Assistance Program. Program evaluations estimate that the average annual savings to participants is \$253 for an average investment of \$1,069. From its inception until March 31, 2007 the program has installed 216,236 energy-saving measures for a total annual savings of 29,805,759 kWh; 83,198 MMBtu, \$4,833,250 in bill reduction. Additional benefits include reduced arrearages and service terminations due to arrearages and improved health due to reductions in carbon monoxide and natural gas leaks.

Source URL

<http://www.aceee.org/pubs/u081/low-income.pdf>

End-use Category

Residential Low-Income

Program Name

Energy Partners

Administrator

Pacific Gas & Electric Company

Overview

The Energy Partners program provides comprehensive services to customers below 200% of the poverty level with the objective of increasing their comfort while reducing their energy consumption, costs, and economic hardship. Customized energy analysis, energy education, home weatherization, and installation of CFLs and any of the over twenty weatherization measures are provided/installed at no cost to customers, at which time they are asked to commit to at least three energy conservation practices. PG&E offers program literature in seven languages and employees frequently make presentations about the company's low-income programs to the media and at community events. In 2006 Energy Partners treated 66,043 homes, saving 24.3 GWh of electricity and 1.45 MTherms of natural gas. 2006 services yielded lifetime bill savings of \$45,286,667, a per home average of \$686.

Source URL

<http://www.aceee.org/pubs/u081/low-income.pdf>

End-use Category

Residential Low-Income

Program Name

Low Income Usage Reduction Program

Administrator

PECO: An Excelon Company

Overview

PECO's Low Income Usage Reduction Program (LIURP) is designed to assist residential customers consuming in excess of 600 kWh per month with income below 200% of the poverty line by reducing their energy usage through the application of energy efficiency services, in addition to education tailored to the individual household's energy use. LIURP serves about 7500 households a year and typical usage reductions range between 8 and 13% with less than 8% of the program budget allocated to administrative costs.

Source URL

<http://www.aceee.org/pubs/u081/low-income.pdf>

End-use Category

Residential Low Income

Program Name

Weatherization Assistance for Low Income Customers Program

Administrator

Georgia Power Company

Overview

Objectives are to augment funding to the state energy office from federal funding sources for weatherization assistance and to provide funding for a Metro Atlanta non-profit weatherization organization which provides weatherization assistance for low income customers in Georgia. This program funding is \$2 million annually and is for Georgia Power low income customers who participate in the weatherization assistance activities for the two groups funded. Annual low income customers weatherized through this program is about 750 with more than 8,100 weatherized in the program from 1996 – 2008.

Source URL

www.southernco.com

End-use Category

Residential Low-Income

Program Name

Rebuilding Together Houston, City of Houston Weatherization, Agencies in Action MTP

Administrator

CenterPoint Energy

Overview

The Rebuilding Together Houston program, in partnership with a community organization, offers incentives for the installation of ceiling insulation and compact fluorescent lamps for low income residents (below 200% of the federal poverty level).

The program is administered by a private, non-profit organization that conducts home repairs and energy efficiency projects for low income residents.

The City of Houston Weatherization Program targets hard-to-reach and non hard-to-reach residential participants in the CenterPoint service territory. Hard-to-reach participants are classified as having an annual household income of less than 200% of the federal poverty guidelines. Incentives are paid to project sponsors for the installation of energy efficiency measures. The following energy efficiency measures are included in the program: Duct sealing, weatherization, ceiling insulation, compact fluorescent lamps, and water saving measures.

CenterPoint Energy's Agencies in Action Program provides funds for implementing energy efficiency improvement projects for eligible CenterPoint Energy low-income residential participants through non-profit organizations. Participants must have an annual total income of less than 125% of the federal poverty guidelines. Incentives are paid to the participating agencies for the installation of attic insulation, solar screens, compact fluorescent lamps, ENERGY STAR® room air conditioners, ENERGY STAR® ceiling fans, ENERGY STAR® refrigerators, duct efficiency improvement, and air infiltration control. The program is administered by an implementer who contracts with the participating agencies and assists with program management.

Source URL

<http://centerpointefficiency.com>

End-use Category

Residential Low-Income

Program Name

Residential Low Income Weatherization Program

Administrator

Florida Power & Light Company

Overview

The Residential Low Income Weatherization Program is designed for low-income, residential customers. The program employs a combination of energy audits and incentives to encourage low-income housing administrators to retrofit homes with energy efficiency measures. As part of each audit, HVAC systems and reduced air infiltration are addressed. The program uses local and state weatherization agencies and

organizations to help make customers aware of this program. FPL also uses appropriate advertising and promotional activities as well as direct contact with potential participants by FPL personnel to make low income residential customers aware of this program.

In 2007, there were 409 homes in this program for a peak load savings of 111 kW.

Source URL

www.fpl.com

End-use Category

Residential Low Income

Program Name

Low Income Services

Administrator

Duke Energy

Overview

Low Income Services will assist low income residential customers with energy efficiency measures using kits or through assistance in purchasing equipment and weatherizing homes.

Source URL

www.duke-energy.com

End-use Category

Residential Low Income

Program Name

Low Income Weatherization

Administrator

NV Energy

Overview

This program facilitates the installation of energy efficiency measures in single-family and multi-family homes of low-income residential customers at no cost to those customers. Energy education is also provided to customers who receive weatherization assistance.

Source URL

www.nvenergy.com

End-use Category

Residential Low-Income

Program Name

Low Income Weatherization

Administrator

Kansas City Power & Light (KCP&L)

Overview

Qualified lower income customers can get help managing their energy use and bills through KCP&L's Low Income Weatherization Program. The program works directly with local Community Action Program (CAP) agencies that already provide weatherization services to low income customers. KCP&L provides supplemental funds to the CAPs to cover the cost of additional cost-effective weatherization measures. KCP&L owner-occupied residential customers in one to four-unit structures with income up to 185 percent of the federal poverty guidelines or below 60% of state median income, whichever is higher, may participate. Renters will also be allowed to participate if the landlord pays 50 percent of the weatherization cost and agrees not to raise the rent for a pre-agreed period of time.

Program to date, the program has assisted over 400 homes for a total annual savings of 1,100 MWh.

Source URL

www.kcpl.com

End-use Category



Residential Low-Income

Program Name

Affordable New Homes

Administrator

Kansas City Power & Light (KCP&L)

Overview

The Affordable New Homes Program is designed to be a partnership between KCP&L and organizations to achieve energy efficient affordable new housing for the low-income community. Financial incentives are available for high efficiency central air conditioners and heat pumps. An incentive is available toward the purchase of an ENERGY STAR® rated refrigerator, toward the purchase of ENERGY STAR® rated lighting fixtures and toward installing higher than standard levels of insulation in the attic, floor, or crawlspace.

Program to date, the program 6 homes have qualified for the program for a total annual savings of 11,640 kWh.

Source URL

www.kcpl.com

End-use Category

Residential Low Income

Program Name

Residential Low Income Program

Administrator

Baltimore Gas & Electric

Overview

This program is being launched in April 2009. It looks at all aspects of the residential structure, energy systems, and energy use from a holistic perspective. It is a customized program that includes weatherization, health and safety, and appliance replacement. All Low Income Program energy efficiency assessments, energy education and retrofit

services are provided free to qualified program participants. It will run from 2009-2011, with a budget of \$10.6M and expected energy savings of 11,800 MWh.

Source URL

www.BGESmartEnergy.com

End-use Category

Residential Low-Income

Program Name

Massachusetts New Homes with ENERGY STAR® Program

Administrator

National Grid

Overview

This program allows builders to choose from one of two ways to participate: ENERGY STAR certification or CODE Plus/energy-efficiency measure upgrades. Both require direct installation of ENERGY STAR-qualified compact fluorescent light (CFL) bulbs in appropriate sockets, on-site training, and a final verification inspection.

For ENERGY STAR certification, the house must achieve (1) a HERS Index score of 85 or less, (2) meeting envelope leakage standards and duct leakage standards, (3) completing a thermal bypass inspection list, and (4) meeting the U.S. Environmental Protection Agency's ENERGY STAR homes specifications.

CODE Plus/energy-efficiency measure upgrades offer a prescriptive package to builders, developers, architects, and homeowners who are interested in building energy-efficient housing but not necessarily in achieving ENERGY STAR certification. This path requires no plan review or energy modeling, allows builder to choose from a list of energy-efficient or ENERGY STAR measures, and allows for reimbursement of a portion of the cost of installed energy-efficiency measures.

Source URL

<http://www.nationalgridus.com/>

End-use Category



Residential Low-Income (Appliance)

Program Name

Appliance Management Program

Administrator

National Grid

Overview

The Appliance Management Program (AMP) was developed in 1996 in cooperation with the Massachusetts Low-Income Energy Affordability Network (LEAN). The program provides comprehensive home energy analyses of baseload appliance use. Analyses are conducted by Community Action Program agency staff.

Source URL

<http://www.nationalgridus.com/>

End-use Category

Residential Low-Income (Multi-family)

Program Name

Low-Income EnergyWISE Program

Administrator

National Grid

Overview

At the heart of the program is a comprehensive energy audit, followed up with energy education and installation of low-cost efficiency measures (e.g., compact fluorescent light bulbs, hot water measures, and air sealing for electrically heated buildings) — all provided to customers at no direct cost.

If the audit identifies the need for major measures in a facility with more than 20 units, the work is put out for competitive bids. Major measures include lighting fixture upgrades and replacement of inefficient refrigerators. For electrically heated facilities, major measures include heat pump testing and tune-ups, duct sealing, air sealing, thermostats, and insulation.

Custom electric saving measures (e.g., motors, pumps, and other equipment) are evaluated and provided through the company's Energy Initiative Program. The Low-Income Energy Affordability Network (LEAN) directly serves multifamily facilities with 25 units or less, and funding for that is included in the Low-Income EnergyWise Program budget. Weatherization services for facilities with 5 to 25 units that are not heated with electricity are included in the Appliance Management Program (AMP) budget.

In larger buildings, as required by statute, the company coordinates with LEAN: keeping LEAN and its member agencies informed about program activities, referring customers and facilities to the program, integrating gas and electric low-income programs, and participating in site visits and meetings with building owners. Energy analysis, bidding, installation, and oversight are provided by National Grid's EnergyWise vendors. The company and LEAN continue to discuss opportunities for LEAN agencies to become more involved in the direct delivery of services to larger multifamily facilities.

Source URL

<http://www.nationalgridus.com/>

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