Generating Energy Savings through Exemplary Programs

ACEEE recently completed a retrospective study on electric utility energy efficiency programs, which have existed in some form in some states for 30 years or longer. There have been a few wide swings in the funding and support for such programs over the years, but since the early 2000s there’s been consistent and rapid growth. In 2010, budgets nationwide for these programs were $4.6 billion, almost 5 times the 2000 budget total of $1.1 billion. Projections are that growth will continue over the next decade. Energy efficiency is the top priority energy resource for utilities in some states and regions, essentially eliminating demand growth in some cases. In a few leading states, the demand curve for electricity over time is actually bending down, an unthinkable proposition to many given the industry history of seemingly inevitable growth of electricity use. A similar story can be told for natural gas energy efficiency programs.

Despite this record of success, meeting and sustaining high savings through customer energy efficiency programs will require continued improvement. With “energy efficiency resource standards” (EERS) now in place in half the states, program administrators have substantial savings obligations to meet. ACEEE research has shown that by and large, states are doing well in meeting these standards, but it is requiring innovation and a lot of hard work.

To recognize the innovation and hard work associated with the successful energy efficiency programs, ACEEE is currently planning our 3rd National Review of Exemplary Energy Efficiency Programs for this fall. We will issue a “call for nominations” later this month. We will be seeking programs across the full spectrum of customers and program categories for both electric and natural gas customers. ACEEE previously completed such national reviews in 2003 and 2008. It’s time for a new look at the best utility-sector energy efficiency programs.

In addition to recognizing exemplary programs, we also will create and publish short profiles of them to provide concrete...
Generating Energy Savings continued
examples and share lessons learned. This sharing of experiences is also a hallmark of ACEEE’s Summer Study. I think it’s safe to say that many of the best policies and programs to advance energy efficiency have had their origins in the many interactions that happen here at Asilomar. As you engage in this year’s Summer Study, we invite you to consider nominating a program for our upcoming national review as a way to share your experiences and be recognized for your work. Please watch for full details later this month. We also could use a few final funders to support this new “exemplary programs” project (please see me or the posting in the Summer Study office).

As many times as I’ve participated in the Summer Study, it never fails to leave me with a renewed sense of optimism for what’s possible through energy efficiency. Sometimes the year to year progress may be hard to see, but looking back 30 years or more reveals astounding achievements. Imagine where we’ll be 30 years from now.

LEARN MORE
Natural Gas Energy Efficiency Programs
http://www.aceee.org/research-report/u121
Electric Utility Energy Efficiency
http://www.aceee.org/research-report/u123
2003 National Review
http://www.aceee.org/research-report/u035
2008 National Review
http://www.aceee.org/research-report/u081

ANNOUNCEMENTS

MORNING SESSION UPDATE—not on the schedule.
Please note an addition to the 10:30-12:00 Tuesday morning session, Panel 9, Dolphin: “Local Power Distribution—Nanogrids,” led by Bruce Nordman.


BOXED LUNCHES will be available on Wednesday and Friday. Sign up by 10am in Surf and Sand the day before to secure your boxed lunch.

JOBS
ACEEE seeks a Research Analyst to focus on local policy as a member of its Policy Team. The position provides a balance of research, analysis, and outreach on energy efficiency policy in the United States as it relates to policy and program implementation by local governments and in cities and metropolitan regions.

ACEEE is seeking a Research Analyst for its buildings program. See the job posting on the board in surf and sand or go to http://www.aceee.org/print/about/jobs/buildings-program-research-analyst-0.

Program Manager, Institute for Building Efficiency, Johnson Controls is seeking an individual to produce original analysis, coordinate research, and write on a building efficiency topics. Milwaukee, WI. Contact katrina.managan@jci.com for more information.

Evaluation, Program/Product/Market Management, and Planning positions. The Northwest Energy Efficiency Alliance (NEEA) is seeking several experienced individuals to join our dedicated staff of energy efficiency market transformation professionals in Portland Oregon. Look for details here over the next few weeks: http://neea.org/about-neea/careers. Contact Susan Stratton, Karen Horkitz, or Jeff Harris here at Asilomar.

Linda Latham Scholarship Winners
Linda Latham served as ACEEE’s Chief Operating Officer until her untimely death in September 2011. Linda believed that students bring talent and creativity to the field of energy efficiency, especially if we provide a venue to inspire and educate them.

Front Row (left to right): Efrée Friedlander, Univ of Michigan; Katie Ackerly, UC Berkeley; Hui Shin Wong, Multimedia Univ, Cyberjaya, Malaysia. Back Row (left to right): Lara Gale, Energy Management Project, Salt Lake Community College; Dasa Majcen, Delft Univ of Technology; Jaxon Love, Univ of Oregon, Center for Sustainable Business Practices; Erin Harris, East Carolina Univ, Center for Sustainable Tourism; Jessica Jones, Univ of Kentucky.
A Night in the Life continued

Making the whole map bluer, so to speak (no reference to political affiliations intended), requires digital controls at end uses, transmission, and production. It requires the participation of homeowners as well as factory bosses. On the residential end use side, Wellinghoff sees price signals offering individuals the greatest opportunity for control of their energy and the cost of that energy. This is a great opportunity for people to participate more directly in the grid. Imagine utility customers becoming utility partners. Imagine providing power back to the grid from your car battery, and getting paid for it!

Add efficiency to the mix, and you not only increase the load factor, i.e. better match production and load, create a more efficient grid, and lower energy costs, but you can lower overall energy use as well.

INFORMAL SESSIONS

2-4 pm
Performing In-Depth Analysis of Household Energy Consumption Using Residential Energy Consumption Survey Data, Bill McNary, Energy Information Administration. ROOM: Embers Living Room

Illuminating the Road Ahead—Next Generation Street Lighting, Dan Young, Energy Solutions. ROOM: Chapel

National Weatherization Assistance Program (WAP) Evaluation Results. Dr. Bruce Tonn, Oak Ridge National Laboratory. ROOM: Scripps


Beyond Usability - What’s next for programmable thermostats? Olga Sachs, Fraunhofer CSE and Alan Meier, Lawrence Berkeley National Lab. ROOM: Fred Farr Forum


Data Center Energy Efficiency Opportunities. Alan Rose, Intel Corporation. ROOM: Heather


Commercial Building Energy Ratings – Managing the Upcoming Paradigm Shift Elliot Crowe, PECI. ROOM: Sanderling


Designing Programs for Maturing Residential Markets. Monica Curtis, WECC. ROOM: Triton

Find Out What it is, What it does, and How to Join, and Why to Join, NEEP’s Design Lights Consortium, ROOM: North Longview


Investor Informational Needs to Support Underwriting Efficiency in Commercial Building Ellen Franconi. Rocky Mountain Institute. ROOM: Afterglow Living Room

Short Changing Program Design: Can We Make 1% Spending on Design Standard Practice? Toben Galvin, Navigant Consulting. ROOM: South Longview

TMY3- Not Typical and Not Normal. John Proctor, Proctor Engineering Group. ROOM: Manzanita 1


Product Placement, Video Clips, and Twitter Parties: How Can We Creatively Spread the Word About the Lighting Standards? Marianne DiMascio, ASAP and Jeff Harris, Alliance to Save Energy. ROOM: Willow Inn 2

Errata

In Monday’s Grapevine, in the description of Sunday’s plenary, Amory Lovins should have been identified as, not CEO, but Chairman and Chief Scientist of RMI, which he cofounded in 1982. And the Reinventing Fire new-auto efficiency is not 125 mpg but a range of 125-240 mpg (remember they’re electrified), depending on segment.

Follow @ACEEEEdc on Twitter
Get updates and connect with other Summer Study attendees on Twitter at http://bit.ly/RbTk0a. Or sign into Twitter and search on hashtag #SummerStudy.
Tuesday Plenary – “Japan: Growing Smart and Green Post-Fukushima or Losing Another Decade?”

This evening’s plenary speaker is Andrew DeWit, Professor in the School of Policy Studies at Rikkyo University, and a coordinator of the Asian-Pacific Journal. Quoting DeWit from the June 13, 2012 Asian-Pacific Journal (online):

“Just when it seemed Japanese politics was being pulled back into the hands of the collusive interests who brought us Fukushima, it’s thrown up another surprise. The reformists, centered in innovative capital and local government, seem to have found a new, and very promising, avenue to fight against the revanchist old guard that still dominates the central government.”

Be there at 7:30 at Merrill Hall. After the plenary, find out the 2012 Champion of Energy Efficiency award winners, and celebrate our colleagues.