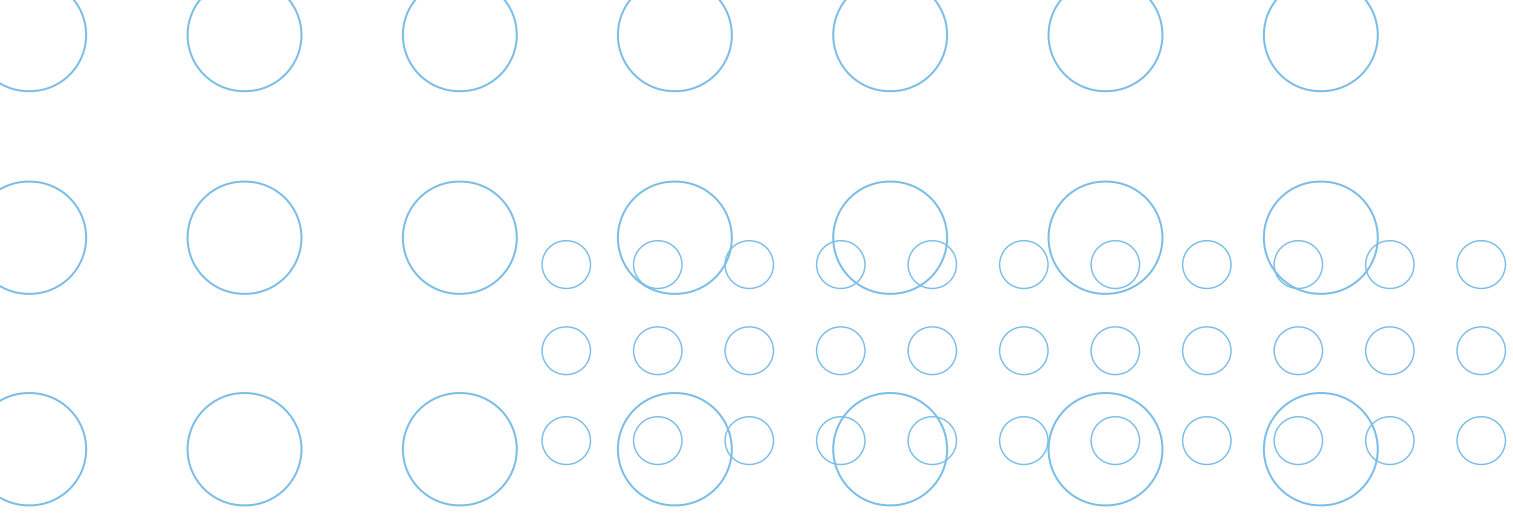


# ACEEE

American Council for an Energy-Efficient Economy

**promoting economic prosperity,  
energy security, and environmental protection**





# Overview

The American Council for an Energy-Efficient Economy (ACEEE) is a nonprofit, 501(c)(3) organization dedicated to advancing and deploying energy efficiency technologies, policies, programs, and behavior as a means of promoting economic prosperity, energy security, and environmental protection.

**ACEEE carries out its mission by:**

- Conducting in-depth technical and policy analyses
- Advising policymakers and program managers
- Working collaboratively with businesses, government officials, public interest groups, and other organizations
- Convening conferences and workshops, primarily for energy efficiency professionals
- Assisting and encouraging the media to cover energy efficiency policy and technology issues
- Educating businesses and consumers through our reports, books, conference proceedings, media outreach, and Web site

**ACEEE was founded in 1980 by leading researchers in the energy field. Since then we have grown to a staff of more than 30. Projects are carried out by ACEEE staff and collaborators from government, the private sector, research institutions, and other nonprofit organizations. ACEEE's program areas include:**

- Energy Policy (primarily federal and state)
- Research (including programs on Buildings and Equipment, Utilities, Industry and Agriculture, Transportation, Economic Analysis, and International)
- Communications (encompassing Conferences, Publications, and Development, including our Ally Program)

**In our nearly 30 years, we have accomplished a great deal. This record of accomplishment has helped establish ACEEE as America's leading center of expertise on energy efficiency with a reputation for quality, credibility, the applicability of our work, and our bipartisan approach. ACEEE's technical work is widely relied upon by policymakers, business and industry decision-makers, consumers, the media, and other energy professionals.**

# ACEEE Accomplishments

ACEEE has been working to support the development of energy efficiency technologies, programs, and policies for nearly 30 years, and has achieved many significant accomplishments including:

**equipment standards** Leading efforts to develop, promote, and negotiate appliance and equipment standards including standards adopted by Congress in legislation in 1987, 1988, 1992, 2005, and 2007. The more than 50 products now covered by federal standards will save about 10% of projected 2010 U.S. electricity use.

**utility energy efficiency** Playing a major role in developing and implementing utility energy efficiency programs, which are now spending more than \$2 billion per year and reducing U.S. electricity use by about 2.4%.

**federal legislation** Leading the development of energy efficiency provisions in the federal Energy Policy Acts of 1992 and 2005, the 2002 and 2008 Farm Bills, and the Energy Independence and Security Act of 2007.

**state consultation** Assisting many states in adopting energy efficiency policies and programs. For example, we played a leading role in passing 2008 legislation in Maryland that commits the state to reducing electricity use by 15% by 2015.

**building codes** Helping to develop model building codes for new homes and commercial buildings, which have been adopted in the majority of U.S. states.

**combined heat and power** Collaborating with many government officials, companies, advocates, and trade associations to advance programs and policies that encourage the use of combined heat and power systems (CHP) that cut energy waste in electricity generation by as much as half.

**transportation efficiency** Initiating the first transportation efficiency program by a non-governmental organization, contributing to the recent U.S. CAFE efficiency standards, and also leading initiatives on efficiency in freight movement and strategies for reducing vehicle miles traveled.

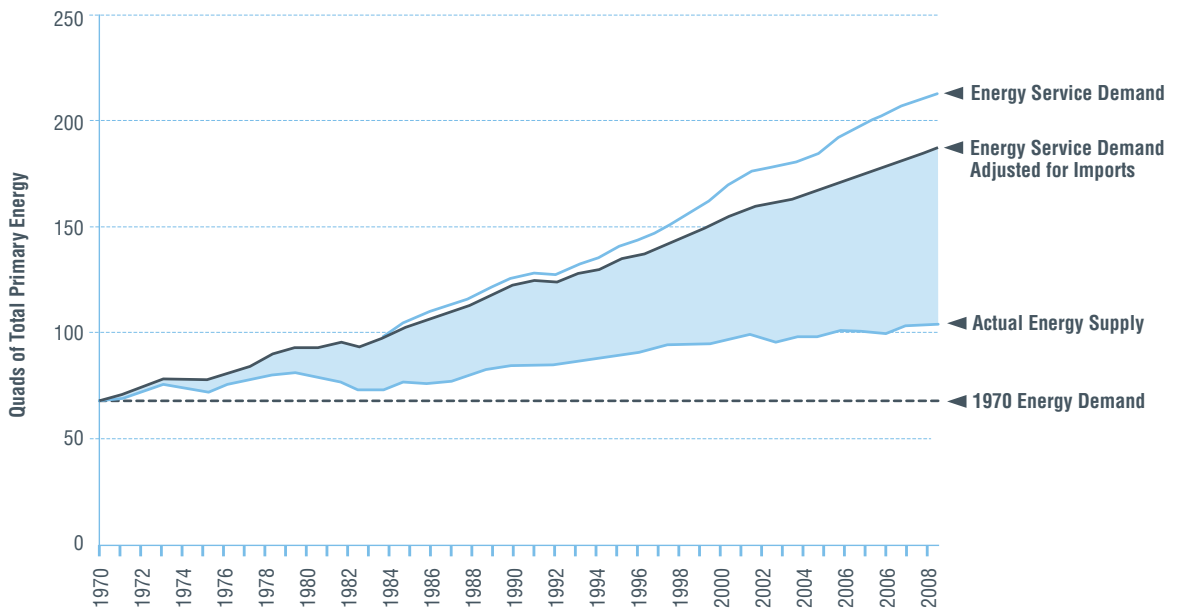
**supporting R&D** Supporting strong research and development (R&D) programs at the federal and state levels in order to develop the next generation of efficiency technologies and practices.

**publications** Issuing more than 300 publications on energy efficiency topics.

**conference organizing** Organizing 47 conferences, serving more than 15,000 attendees.

These steps, combined with contributions from our many allies, have helped slow the growth in U.S. energy demand since the 1970s. If energy use per dollar of Gross Domestic Product (adjusted for imports) were the same as in 1970, the U.S. would have used about 80% more energy than it actually consumed in 2008. In other words, energy efficiency is now our number one energy resource, accounting for more than 70% of what energy use would have been, had earlier technology and market trends remained static (see figure below).

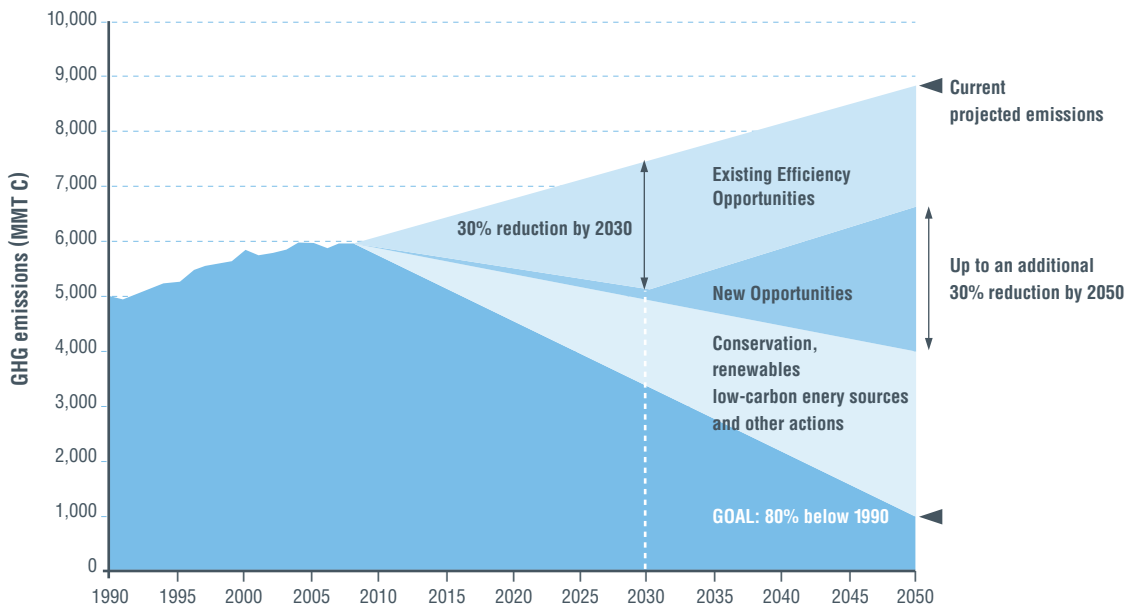
U.S. Energy Use in Relation to GDP  
Energy Consumption in the United States 1970 - 2008

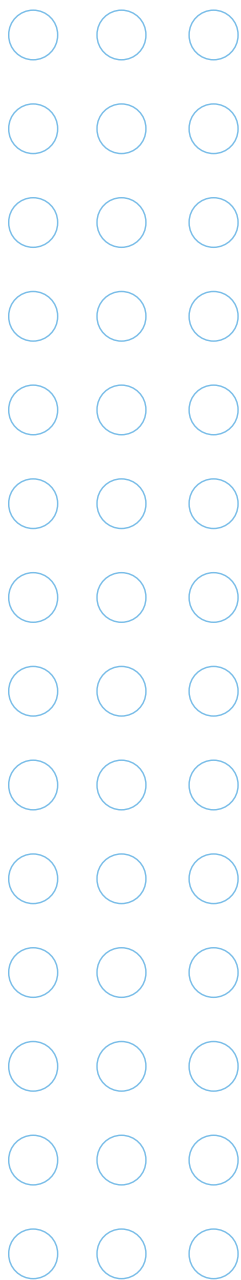


# Strategic Directions

While ACEEE has accomplished a lot, much work is yet to be done. Climate scientists tell us we need to reduce greenhouse gas emissions by about 80% below 1990 levels. Energy efficiency is the first strategy for achieving these reductions. Efficiency measures (same level of energy services but with less energy use) can probably get us more than halfway towards our long-term goal, counting both currently known measures and new efficiency measures now being developed (see the graph below). Energy conservation measures (reduced energy service, but often by eliminating waste) can provide additional reductions. Furthermore, these measures reduce energy bills, freeing up funds to pay for no- and low-carbon energy supplies that can bring us the remaining distance to the long-term target. However, achieving these savings will require much research, many programs, and expanded policy measures. ACEEE plans to play a major role in advancing these efforts.

Leading with Energy Efficiency to Meet Climate Change Goals





ACEEE's niche in addressing climate change is the role energy efficiency plays (efficiency is the "first solution"), including emissions reductions due to efficiency savings and the impacts of efficiency investments and savings on the costs of addressing climate change policy. While climate change will be a major driver for energy efficiency, other drivers will be high energy costs (including both commodity and capital costs) and continuing concerns about importing energy from unstable regions of the world and about assuring reliable energy supplies. We will conduct research on ways to use energy efficiency to moderate energy price increases and stretch available energy supplies, and will explore ways to better meet future energy needs through investments in a combination of efficiency and clean and sustainable energy supplies.

Other major priorities over the next few years will include:

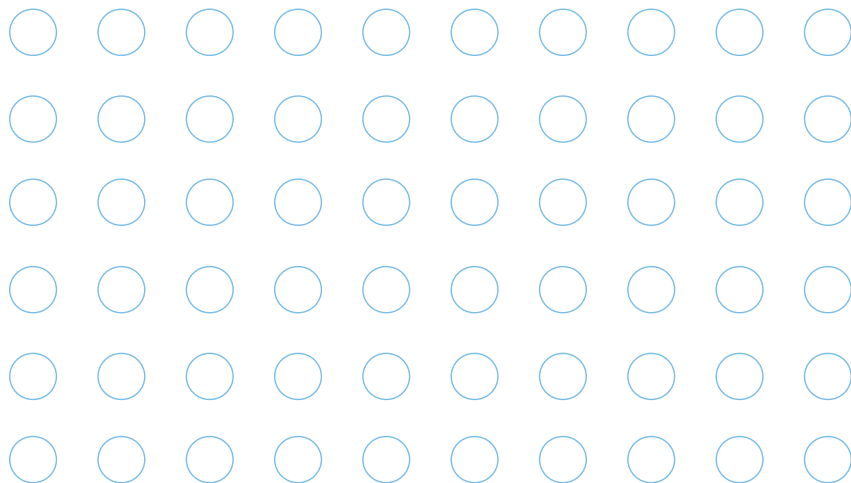
- Advancing federal and state energy policy, including energy savings targets for utilities; expanded R&D efforts; new equipment efficiency standards; building codes that reduce energy use in new buildings by at least 30%; new fuel economy requirements for cars and trucks; policies to reduce vehicle miles traveled; and tax credits and other incentives for efficient new buildings, vehicles, and equipment and for energy-efficient retrofits.
- Expanding our research in strategic areas, both within specific sectors (e.g., buildings) and across multiple sectors. For example, we plan to do more research on human behavior issues and the energy efficiency needs of low-income families.
- Intensifying our communication efforts in order to increase the reach and influence of our work.
- Expanding existing partnerships and seeking new partnership opportunities in order to extend our reach and impact.

# Federal and State Energy Policy

Many of ACEEE's accomplishments are by virtue of our impact on federal and state energy policies.

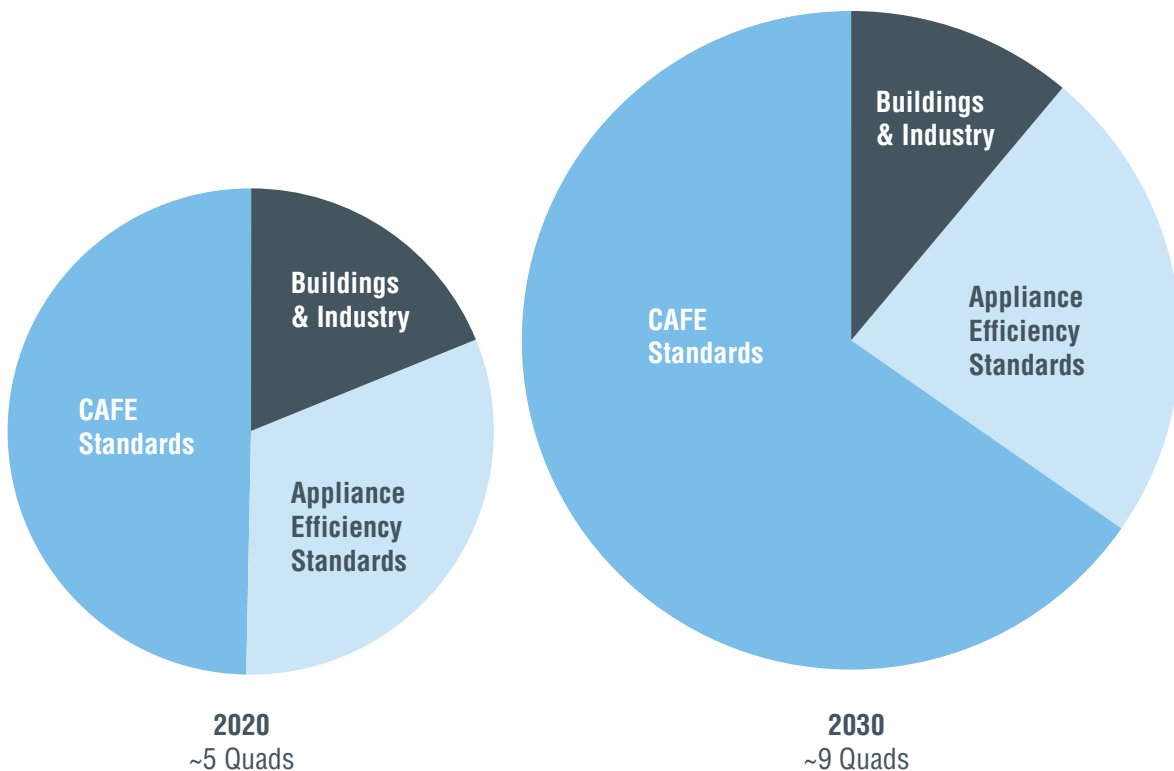
ACEEE has worked on federal energy policy since the 1980s. We played a central role in the development of the National Appliance Energy Conservation Act of 1987 and energy efficiency provisions in the Energy Policy Acts of 1992 and 2005 and the Energy Security and Independence Act of 2007 (EISA 2007). These provisions address appliance and equipment efficiency standards and voluntary programs, building codes, utility energy efficiency programs and policies, fuel economy standards for vehicles, and industrial efficiency efforts. We also played a substantial role in the development of energy efficiency sections in recent farm bills. Many of these provisions were developed in cooperation with interested businesses and all received bipartisan support.

We testify frequently before Congress and work closely with Congressional staff in both parties to help shape new initiatives, and to analyze the impacts of energy and climate policy proposals. We also weigh in on the federal budget process, promoting increased funding for the most effective energy efficiency programs. In addition to working with Congress, we work with federal agencies, advising them on programs and policies, and participating in formal rulemakings on energy efficiency issues. Most of our federal policy work involves research and education, but we do a limited amount of lobbying using unrestricted funds.



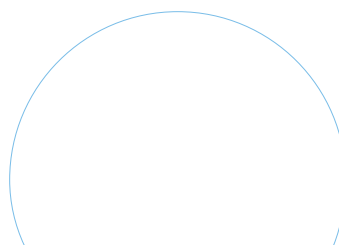
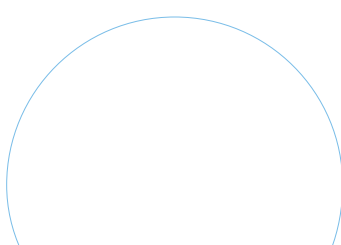
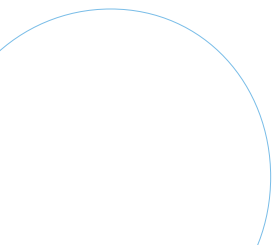
At the state level, ACEEE works closely with public officials and local energy efficiency advocates—we provide advice, analysis, and technical support, but local officials and advocates take the lead. While we provide help to many states (approximately two dozen in a typical year), we concentrate our efforts on large states that are poised to make major decisions on energy efficiency policy issues. For example, in 2007–08 we emphasized work in Florida, Maryland, Michigan, Ohio, Pennsylvania, Texas, and Virginia and all of these states passed significant energy efficiency legislation, with additional legislation and regulations likely in several of these states. We also work on state policies that can potentially be moved up to the national level. For example, we have worked with several states to develop state appliance and equipment efficiency standards, which have subsequently been adopted by Congress.

Estimated Energy Savings from EISA 2007



# Research and Analysis

ACEEE's research and analysis activities play important dual roles of informing the development of energy policy and helping to capture the best technical, program, and policy practices that can define the magnitude and benefits of the energy efficiency resource. ACEEE's efforts draw upon our unique body of knowledge and expertise developed over nearly three decades of studying and promoting energy efficiency. Taking an interdisciplinary approach, we employ our diverse backgrounds in physical and social sciences to survey what is happening in the marketplace, analyze the technical and economic potential for energy efficiency, seek to understand consumer energy decisions, and assess the potential for regulations, policies, and programs to achieve energy savings. In addition, we track technology and market developments that create new energy efficiency opportunities.



## Research Programs and Representative Projects

- Buildings and Equipment** ACEEE's oldest research program analyzes opportunities for energy efficiency in appliances and equipment; building design, construction, and operation; and programs and policies that encourage consumers to make energy-efficient product choices.
- Utilities** Serves as the principal documenter and reviewer of publicly funded energy efficiency programs and supporting policies, preparing regular surveys of best practices and supporting implementers and regulators in designing the next generation of programs and policies.
- Transportation** Tracks vehicle technology and estimates the potential for future energy efficiency. In addition, the program explores technologies and policies that encourage changes in personal and freight transportation markets to further reduce energy use.
- Industry** Applies unique expertise in energy efficiency for the manufacturing sector (including clean distributed energy resources such as combined heat and power—CHP), and assesses technologies, practices, programs, and policies to achieve increased energy efficiency in manufacturing.
- Agriculture** Addresses the unique energy efficiency program and policy needs of farms and rural communities through assessment of energy use patterns, and opportunities for more energy efficiency practices and technologies.
- Economic Analysis** Encourages the use of sound economic modeling practices, studies the impacts of energy policies on the economy, and projects the economic benefits of energy efficiency technologies, practices, and policies.
- State Analysis** Cross-program effort that combines expertise from other research programs to assess state energy policies, analyze the potential for energy efficiency at the state level, and collect key resources to support state policymakers, program implementers, and efficiency advocates.
- International** Works with colleagues from transitional economies to adapt technology, program, and policy experiences from the United States to these economies.

# Outreach

ACEEE reaches out to and informs diverse audiences in a variety of ways:

## Conferences

Brings together disparate stakeholders to focus on multiple aspects of energy efficiency and the role it plays in addressing critical issues such as climate change, energy resources, energy markets, utility structure and regulation, and energy use in buildings, industry, and agriculture.

Recent conferences include:

- 2008 Summer Study on Energy Efficiency in Buildings
- Hot Water Forum: Water Heating, Distribution, and Use Efficiency
- Energy Efficiency Finance Forum
- National Symposium on Market Transformation
- Forum on Energy Efficiency and Agriculture
- Behavior, Energy, and Climate Change Conference (BECC)
- National Conference on Energy Efficiency as a Resource
- 2007 Summer Study on Energy Efficiency in Industry

## Publications

Provides research and technical analysis of current energy efficiency policies and practices, as well as forecasting future trends. Includes research reports, consumer books, white papers, legislative testimony, and conference proceedings.

Major recent reports include:

- *Energizing Virginia: Efficiency First*
- *The Size of the U.S. Energy Efficiency Market: Generating a More Complete Picture*
- *Compendium of Champions: Chronicling Exemplary Energy Efficiency Programs from Across the U.S.*
- *The 2008 State Energy Efficiency Scorecard*
- *Information and Communication Technologies: The Power of Productivity*

- *Assessment of the House Renewable Electricity Standard and Expanded Clean Energy Scenarios*

## The Web

Shares ACEEE's work online by providing publications and conference presentations available free of charge and educates consumers about making wise energy efficiency choices relating to their homes and their vehicles through:

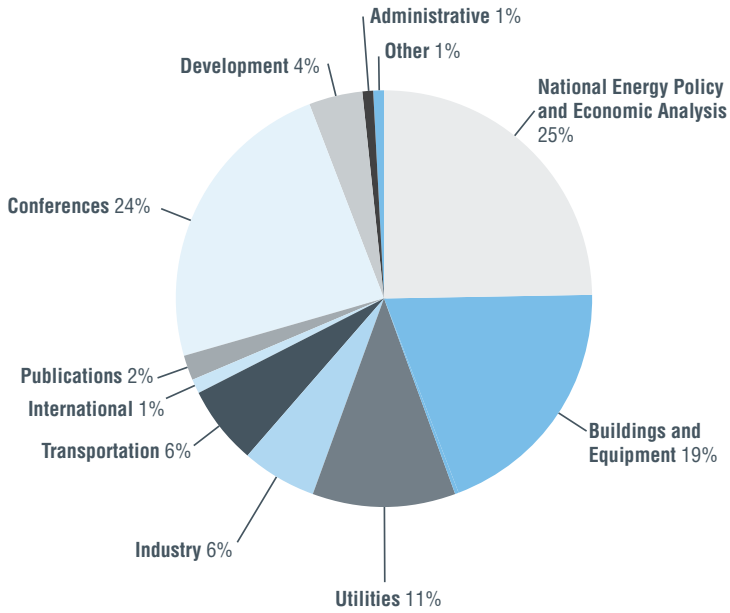
- [aceee.org/consumerguide](http://aceee.org/consumerguide)—Consumer Guide Online (based on *Consumer Guide to Home Energy Savings*)
- [greenercars.org](http://greenercars.org)—online presence of ACEEE's *Green Book*®: *The Environmental Guide to Cars and Trucks*

## Ally Program

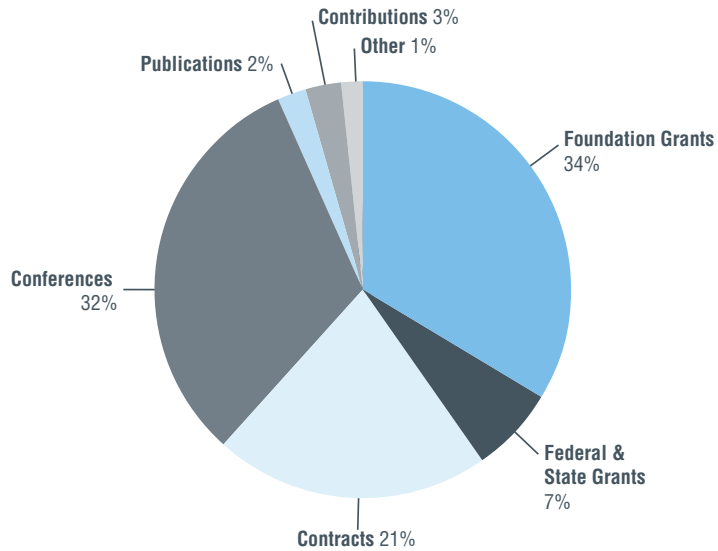
Convenes primary stakeholders in timely discussions and networking opportunities through policy briefings, Webinars covering recently published research and analysis, conferences, and one-to-one interaction with staff and Board members.

# Financial information 2006–2007

## Expenses



## Revenues



# Sources of Funding 2006–2008

## FOUNDATIONS

Agua Foundation  
Betsy and Jesse Fink Fund  
Campbell Foundation  
Carolyn Foundation  
Civil Society Institute  
Energy Foundation  
Energy Trust of Oregon  
Environmental Defense  
Garfield Foundation  
Henry P. Kendall Foundation  
John Merck Fund  
Joyce Foundation  
Mertz Gilmore Foundation  
Oak Hill Fund  
Robertson Foundation  
Rockefeller Brothers Fund  
Ruskin-Zafren Foundation  
Sea Change Foundation  
Surdna Foundation  
Town Creek Foundation  
Turner Foundation  
Water Environment Research Foundation  
Westwind Foundation

## FEDERAL, REGIONAL, STATE, AND INTERNATIONAL AGENCIES

AEA Europe  
Australian Greenhouse Office  
California Air Resources Board  
California Energy Commission  
China International Centre for Economic and Technical Exchanges  
Connecticut Energy Efficiency Fund  
Connecticut Office of Policy and Management  
Energy Coordinating Agency PA  
Housing and Urban Development  
Illinois Department of Commerce and Economic Development  
International Energy Agency  
Iowa Department of Natural Resources  
Massachusetts Division of Energy Resources  
Midwestern Governors Association  
Minnesota Legislative Auditor  
Natural Resources Canada  
New York State Department of Public Service  
New York State Energy Research and Development Authority  
Ohio Consumers Counsel  
Ontario Power Authority  
Oregon Department of Energy  
South Coast Air Quality Management District  
State of Rhode Island and Providence Plantations Energy Office  
State of Washington Department of Community, Trade and Economic Development  
Texas State Energy Conservation Office  
U.S. Environmental Protection Agency  
U.S. Department of Energy  
United Nations Development Program  
United Nations Foundation/Better World Foundation  
Wisconsin Department of Administration  
Wisconsin Energy Bureau  
Wisconsin Energy Conservation Corp  
UK Business Council for Sustainable Energy

## UTILITIES

Alliant Energy  
American Electric Power  
Austin Energy  
Baltimore Gas & Electric  
Bay State Gas Company  
BC Hydro  
Berkshire Gas  
Bonneville Power Administration  
Centerpoint Energy  
Columbia Gas of Ohio  
Dominion  
Duke Energy  
KEMA  
KeySpan Energy Delivery  
Long Island Power Authority  
MidAmerican Energy  
National Grid USA  
Nevada Power Company  
New England Gas Company  
NiSource  
Northwest Natural Gas Company  
NSTAR  
Pacific Gas and Electric Company  
Progress Energy  
PSEG Services Corporation  
Sacramento Municipal Utility District  
San Diego Gas & Electric Company  
Seattle City Light  
Sempra Utilities  
Southern California Edison Company  
Southern California Gas Company  
Tennessee Valley Authority  
Union Gas  
Western Area Power Administration  
Wisconsin Public Service Corporation  
Xcel Energy

## NATIONAL LABORATORIES AND RESEARCH INSTITUTES

Argonne National Laboratory  
Battelle Pacific Northwest National Laboratory  
Brookhaven National Laboratory  
Electric Power Research Institute  
Lawrence Berkeley National Laboratory  
National Renewable Energy Laboratory  
Oak Ridge National Laboratory

## PRIVATE COMPANIES AND THEIR ASSOCIATES

3M  
A. O. Smith  
Addx Corporation  
Apprise, Inc.  
Aspen Systems Corporation  
Association of Home Appliance Manufacturers  
Australian Greenhouse Office  
Baldor Electric Company  
Battelle, Pacific Northwest  
Cardinal Glass Industries  
Carrier Corporation  
ClimateMaster  
Cohen Ventures, Inc  
Connecticut Energy Efficiency Fund  
Conservation Services Group  
CTC Cable Corporation  
D & R International  
Dow Chemical Company  
E.I. Dupont de Nemours & Company  
Ecotope  
Emerson Motor Company  
Energetics Incorporated  
Energy Solutions  
Environmental Power  
ERM-Siam, CO Ltd.  
Ewing Berriss & Co.  
Fertilemind Capital  
Financial Times Energy  
Gas Technology Institute  
GDS Associates  
Heschong Mahone Group, Inc.  
Hydraulic Institute  
Ice Energy Inc.  
ICF, Inc.  
Intel Corp.  
Itron Consulting & Analysis  
Kyocera Solar  
Lockheed Martin Energy & Environmental  
Maytag  
Nexant  
North American Insulation Manufacturers Assoc.  
Optimal Energy  
Orion Energy Systems  
Ormat Nevada  
Pacific Energy Associates  
PHH Solutions and Technologies, LLC  
Polyisocyanurate Insulation Manufacturers Assoc.  
Positive Energy  
RLW Analytics  
Science Applications International Corp  
Semiconductor Industry Association  
Solar Turbines  
Springer Science Business Media  
Stoel Rives LLP  
Synapse Energy Economics  
Technology CEO Council  
TecMarket Works  
The Cadmus Group  
The E Cubed Company  
Trigen Energy Corporation  
UT-Battelle, LLC

## NONPROFIT ORGANIZATIONS

Appalachian State University  
Building Codes Assistance Project  
California Institute for Energy Efficiency  
Center for Energy and Environment  
Center for Neighborhood Technology  
Citizens Action Coalition Education Fund  
Ecotrust  
Efficiency Maine  
Efficiency Vermont  
Electricity Innovation Institute  
Energy Center of Wisconsin  
Energy Trust of Oregon  
EnSave  
Environmental Defense  
Iowa Energy Center  
Midwest Energy Efficiency Alliance  
Minnesota Environmental Initiative  
National Center for Appropriate Technology  
National Commission on Energy Policy  
National Governors Association  
National Religious Partnership for the Environment  
National Rural Conservation Service  
National Wildlife Federation  
Northeast Energy Efficiency Partnerships  
Northwest Energy Efficiency Alliance  
Pew Center on Global Climate Change  
Sierra Club of Canada  
Sierra Club USA  
Southern Alliance for Clean Energy  
Southern Environmental Center  
Southwest Energy Efficiency Project  
Stanford University  
The Civil Society Institute  
The Minnesota Project  
Union of Concerned Scientists  
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University of Louisville  
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Vermont Energy Investment Corporation  
Wisconsin Energy Conservation Corporation

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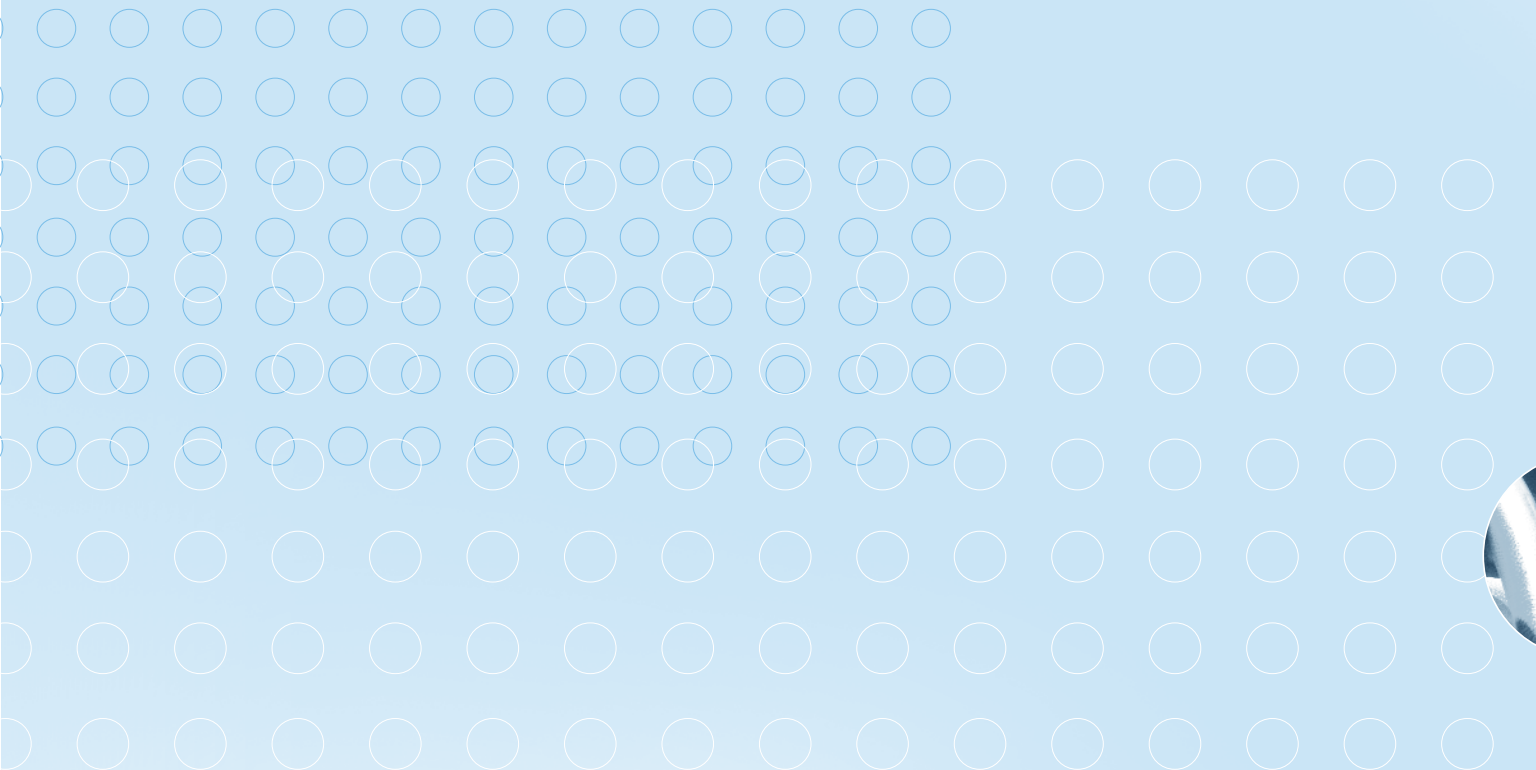
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**MARIANNE DIMASCIO**  
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