



Keystone  
Science  
School

**Keystone Science School-Alliance to Save Energy  
Youth Policy Summit: Energy Efficiency in California**  
Sacramento State University  
August 2-6, 2009



**ALLIANCE TO  
SAVE ENERGY**  
*Creating an Energy-Efficient World*

## Program Description

In August of 2009, in partnership with the *Alliance to Save Energy and the American Petroleum Institute, Keystone Science School* will conduct a Youth Policy Summit for 40 college students, who will focus on the subject of improving energy efficiency in California. Participating students will be asked to negotiate consensus-based recommendations to be shared with Members of Congress, the Governor and California state legislature, as well as business and NGO sector leaders.

The Energy Efficiency Youth Policy Summit is particularly timely. California's climate change mandate to cut greenhouse gas emissions to 1990 levels by 2020 will require large investments in energy efficiency technologies and education to maximize their efficiency. It is imperative that students and educators explore and better understand energy efficiency opportunities to address this issue. Possibilities include reducing electricity consumption across industrial, commercial and residential sectors, including building technologies, transportation, and electricity. All these choices will result in fewer carbon emissions to the atmosphere, but every choice has economic and social implications. Students will look at different energy and technology options based on existing resources and opportunities that will impact diverse populations throughout the state. Students and educators will examine options to reduce greenhouse gases, while balancing political, legal, economic, technological, environmental and social factors.

*"The Keystone Center is an excellent partner, and we were very pleased to collaborate with Keystone on the Youth Policy Summit. The knowledge and enthusiasm of the students is an inspiration. General Mills applauds Keystone for bringing these great young minds together, and for encouraging them develop and present hopeful solutions to important public policy issues." ---- Chris Shea, General Mills*

The students entered in the Summit will undertake research projects on both technical aspects of the issue as well as divergent stakeholder points of view. The students will learn basic mediation and negotiation skills from experienced staff of The Keystone Center's Science and Public Policy Program. They spend a day interacting with a panel of experts from different stakeholder groups (e.g., industry, government, academia, public interest), which allows them to further their understanding of various issues, offers a window into some real-world conflicts and challenges, and provides a glimpse of a potential future career path. Finally, the students are assigned different stakeholder roles, and participate in a mock policy dialogue, where they must consider the tensions between environmental, economic and equity issues. The students are challenged to arrive at consensus recommendations on the appropriate mix of conservation, new carbon-free generation, better transport, and carbon sequestration.

At the end of the Summit, students will have a stronger sense of the different elements in society that have an influence on energy policy. They will have interacted with experts in the field, and students will have gained insight into potential careers as well as developing invaluable real world insight and professional contacts. Students will be better equipped to address future conflicts and resolve them. And because the students and educators will all be from local communities, they will be better able to enact positive change in their communities to make a difference in the region.



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## Hosting Partners and Program Sponsors



**Keystone  
Science  
School**

Keystone Science School and the Center for Science and Public Policy are program divisions of *The Keystone Center*. The Keystone Center accomplishes its mission through the Center for Science and Public Policy and the Center for Education (Keystone Science School).

Together, all Keystone programs teach people of all ages, from all over the world, how to value and review critical scientific information, work with diverse groups, and use collaborative reasoning. The result: current and future decision-makers learn to broaden their perspectives, come to consensus, and resolve critical issues.

*Keystone Science School* knows that today's youth are the future leaders who will develop policies and make decisions impacting our world. To help them be engaged citizens in the future, Keystone Science School has created educational and interactive science education programs that stimulate young minds and make them comfortable with scientific and critical thinking.

*The Center for Science and Public Policy* has been helping public, private, and civic-sector leaders solve complex problems and advance good public policy since 1975. We rely on our independence, our commitment to good science, and our skills in designing and leading consensus-building processes to establish new partnerships, reduce conflict, and produce policy agreements.



**ALLIANCE TO  
SAVE ENERGY**  
*Creating an Energy-Efficient World*

*Alliance to Save Energy*. Founded in 1977, the Alliance to Save Energy is a non-profit coalition of business, government, environmental and consumer leaders, which supports energy efficiency as a cost-effective energy resource under existing market conditions and advocates energy-efficiency policies that minimize costs to society and individual consumers, and that lessen greenhouse gas emissions and their impact on the global climate. To carry out its mission, the Alliance to Save Energy undertakes research, educational programs, and policy advocacy. The Alliance designs and implements energy-efficiency projects, promotes technology development and deployment, and builds public-private partnerships in the U.S. and other countries.



*American Petroleum Institute* is the major sponsor for this summit. The American Petroleum Institute (API) is the only national trade association that represents all aspects of America's oil and natural gas industry. Its 400 corporate members, from the largest major oil company to the smallest of independents, come from all segments of the industry. They are producers, refiners, suppliers, pipeline operators and marine transporters, as well as service and supply companies that support all segments of the industry.

Although API's focus is primarily domestic, in recent years its work has expanded to include a growing international dimension, and today API is recognized around the world for its broad range of programs in advocacy, research, standards, certification and education. Visit [www.api.org](http://www.api.org) to learn more.



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Youth Policy Summit: Energy Efficiency in California

## Program Details

**When:** August 2<sup>nd</sup> (1:00pm) through August 6<sup>th</sup> (11:00am), 2009

**Where:** Sacramento State University (Sacramento, CA) - meeting location TBD

**What:** Energy Efficiency Youth Policy Summit program hosted by Alliance to Save Energy, Keystone Science School/The Keystone Center and sponsored by the American Petroleum Institute

**Who:** Program is open to any undergraduate students attending any national university or college.

**Cost:** All food, housing, and conference facilities will be provided by conference organizers. Travel stipends are available on an extremely limited, and will be awarded on a case by case basis.

### Tentative Program Schedule:

#### Sunday August 2<sup>nd</sup>:

*2:00pm-5:30pm*

Opening remarks by Alliance to Save Energy and Keystone Staff Mediation Training Session

*Dinner*

Evening Agenda: students share preliminary research

#### Monday August 3<sup>rd</sup>

*Breakfast*

*9:00am-1:00pm*

Expert Panel convenes for large and small group discussions with lunch

*1:00-5:00pm*

Mediation sessions begin with students

*Dinner*

Evening Agenda: Small group discussions in Stakeholder groups

#### Tuesday August 4<sup>th</sup>:

*Breakfast*

*9:00am-5:00pm*

All day mediation session with students. Lunch and breaks are provided

*Dinner*

Evening Agenda: Small groups convene to divide tasks for final policy recommendations.

#### Wednesday August 5<sup>th</sup>:

*Breakfast*

*9:00am-5:00pm*

All day mediation session with students, final presentation team identified. Lunch and breaks are provided

*Dinner*

Evening Agenda: Presentation is finalized. Free time and Social activity for the group.

#### Thursday August 6<sup>th</sup>:

*Breakfast*

Open buffet with participating students, community stakeholders, members of the press, staff and expert panel.

*9:00-9:45am*

Formal presentation of Final Policy Recommendations by presentation team. Question and answer period directly follows presentation.

*10:30 am*

Closing remarks and acknowledgements by staff and students

*11:00am*

Participating students and staff depart.



## Student Research and Assignments Overview:

Throughout the Summit experience, staff members from the *Alliance to Save Energy* and *Keystone Science School/The Keystone Center* will provide guidance and be available to students when completing research for questions and clarifications. Participants are required to actively complete all assignments associated with the program (pre and post work) as well as attend all sessions during the summit week.

**Pre Summit:** Students will be asked to complete two mid length research papers and collaborate with other students in a small research groups prior to the summit week during the summer session. Assignments and research groups will be furnished to participants in their program acceptance packet. To review the specific research questions, issues discussion and stakeholders, please visit [www.youthpolicysummit.org](http://www.youthpolicysummit.org), under the 2009 California Energy Efficiency Programs tab on the top menu.

1. **Small Group Collaboration:** Each student will be assigned to a research group which represents one aspect of energy efficiency *such as fuel efficiency in vehicles*.
  - Each group will have a specific staff contact who will offer guidance during this process.
  - Each group will address the legal, environmental, technical, educational, economic and social equity issues of their research topic.
  - After research is completed, each research group will develop a one page fact sheet and one page abstract to share at the summit with other program participants. These will be posted on [www.youthpolicysummit.org](http://www.youthpolicysummit.org) prior to the summit.
  - The group will develop a *short informal* 10 minute presentation highlighting the most important aspects of their research topic.
2. **Research Assignment:** Each student will be assigned one to two issues of one aspect of energy efficiency to study, such as the *environmental and technical issues of fuel efficiency of vehicle*.
  - Each paper should be 10-15 pages in length and include a detailed bibliography of all sources.
  - Each participant will post this paper on [www.youthpolicysummit.org](http://www.youthpolicysummit.org) prior to the summit and will be asked to read the work of a few other participants prior to the summit.
3. **Stakeholder Assignment:** Each student will be assigned ONE stakeholder to research prior to the summit such as the *Alliance for Affordable Energy*. No two students will study the same stakeholder.
  - Each paper should be approximately 8-10 pages in length and include a detailed bibliography of all sources.
  - This paper will examine the stakeholder's interests in Energy Efficiency in general.
  - Each participant will post this paper on [www.youthpolicysummit.org](http://www.youthpolicysummit.org) prior to the summit and will be asked to read the work of a few other participants prior to the summit.

**During Summit:** Students will be guided through all aspects of the summit by program staff. The schedule will be adjusted to accommodate student needs and group progress each day. Participants are required to actively attend each session during the summit week.

1. **Present research:** Each research group identified above will be asked to make a short presentation to the participating students during the first or second evening concerning their respective research topic.

2. Expert Panel: A Panel of experts in the field of energy efficiency will be convened to represent stakeholders in this issue. This panel will be available primarily for student questions and will act as a sounding board for ideas and recommendations of students.
3. Mediation sessions: Students will be asked to participate in 3 mediation sessions while representing the interest of their pre-assigned stakeholders. These sessions are designed to build collaboration rather than be debate style in format.
4. Document writing and final presentation: Each student will be asked to break into small groups to contribute to the creation of a document summarizing the policy recommendations of the group. This document will be in simple word format with all sources cited in a complete bibliography. A presentation team will be selected from program volunteers to prepare and present the final result of the summit to members of the public. All students will attend the presentation to address questions during a social breakfast with the public.

**Post Summit:** Staff of The Keystone Center will handle all graphic design, printing and dissemination of the final policy recommendations produced by the group. However, content and structure will be edited through email and list serves during the 2-3 weeks directly following the summit program. Participants are asked to remain available and engaged during this process. Groups will be identified to complete final editing by sections of the document during the final day of the summit. This work can be completed quickly and with minimal work if everyone stays involved. The final quality of the content and work produced is a direct result of the groups' commitment to final edits.

#### **Independent Study Credits and Student Support/Resources :**

- Independent study: Work will be completed during the summer quarter/semester for all students. If you would like to receive course credit, please contact whomever handles independent study credits for your department and ask what is involved. Keystone and ASE can assist you in receiving credit and providing the necessary information needed for your university. Please research the requirements for your school independently and contact us once you have identified a professor who is willing to work with you. Please contact Annemarie Fussell at Keystone Science school for assistance with receiving credits through your school at [afussell@keystone.org](mailto:afussell@keystone.org) or 970-455-4231.
- Student support and resources: Throughout the summer Keystone staff will be available for questions and as a resource when completing assignments. Please contact Annemarie Fussell in our Colorado office at [afussell@keystone.org](mailto:afussell@keystone.org), or 970-455-4231. Students are expected to complete work independently to collect resources and complete stakeholder interviews, but are encouraged to contact Keystone staff for clarification and questions. Jeremy Kranowitz will be facilitating the Policy Dialogues at the event in August.

## HOW TO APPLY: Application Process, Materials and Requirements

### Timeline:

May 1<sup>st</sup>: Application period opens

July 1st: Applications due. **Please send all application materials to Jennifer Alvarez at [jalvarez@ase.org](mailto:jalvarez@ase.org) or fax number (510) 451-4222.**

July 3rd: Acceptance letters sent to applicants (including assigned research)

July 6th: Commitment letters due back from participants

### Requirements:

- **Applicants must be current or recent undergraduate or graduate students**
- **Applications must be received via email or fax by the application deadline to be considered, please submit all application materials in ONE packet.**
- We encourage student to apply from a wide variety of academic programs and focuses. This program is *not limited* to any majors.
- Participants are sought who are motivated to complete independent study and have an interest in the issue or policy process and have demonstrated leadership skills in their professional or academic careers.
- **Applicants must submit the following as part of their application in ONE packet to be considered.** Incomplete applications will not be considered.
  1. **Resume:** please highlight any leadership skills related to the topic and identify your major and minor areas of study.
  2. **Cover Letter:** This should be two pages in length (maximum) and address the following:
    - Explain your interest in the event
    - How will this experience benefit you?
    - What area of Energy Efficiency most interests you? (Please identify Education, Economic, Social Equity, Technical or Legal. An explanation of this is provided at the following website for the program <http://youthpolicysummit.org/content/view/104/152/>)
    - Full contact information including phone, mailing address and email where you can be reached throughout the entire summer.
    - Two Academic references and contact information
    - One professional reference (optional)
  3. **Contact information and Travel Expense form:** Please complete the form attached on page 7, and include with your application packet.

**Contact Information and Travel Expense Information:**

**Name:** \_\_\_\_\_

**Permanent mailing address:** (Materials during the summer will be distributed via email to reduce paper waste.) \_\_\_\_\_

**Contact Phone:** \_\_\_\_\_  
Circle one:    home    work    cell

**Email address:** \_\_\_\_\_  
Please provide a personal address as well. Many universities have strong SPAM blockers.

**Travel Information:**  
Please fill out the estimated travel expense form below. *An extremely limited number of travel stipends will be available for qualified students.* You may be asked to provide documents supporting your financial position should you request a stipend.

**Destination City:** Sacramento, California

**Travel origination city/mileage from Sacramento:** \_\_\_\_\_

**Estimated cost of plane tickets:** \_\_\_\_\_

**Estimated cost of vehicle travel with personal vehicle:** \_\_\_\_\_

**Estimated Cost of Public Transportation to Sacramento (Train or bus):** \_\_\_\_\_

**Total cost of travel:** \_\_\_\_\_

**Amount you can contribute to your travel:**  
\_\_\_\_\_

