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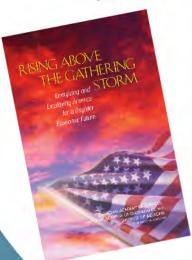


Making an impact on the world

National Academy of Sciences
National Academy of Engineering
Institute of Medicine
National Research Council





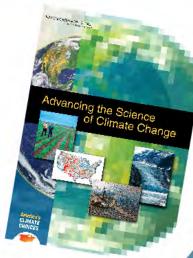




RESEARCH UNIVERSITIES
AND THE FUTURE OF AMERICA

Ten Breakthrough Actions Vital to Our Nation's Prosperity and Security

NATIONAL SESSABELED AND DESCRIPTIONS







A FRAMEWORK FOR K-12 SCIENCE EDUCATION

Practices, Crosscutting Concepts, and Core Ideas

NATIONAL RESEARCH COUNCIL
OF THE NATIONAL ACADEMIES









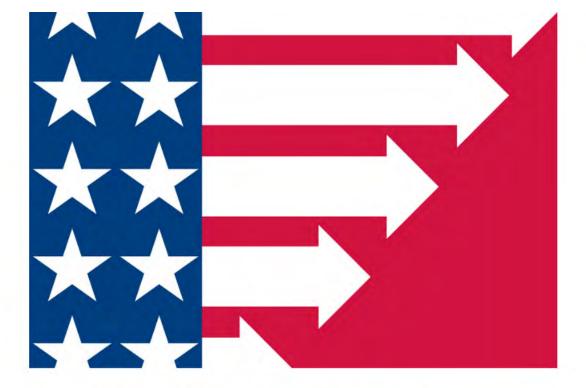


CHIMPANZEES IN BIOMEDICAL AND BEHAVIORAL RESEARCH

ASSESSING THE NECESSITY

INSTITUTE OF MEDICINE AND NATIONAL RESEARCH COUNCIL



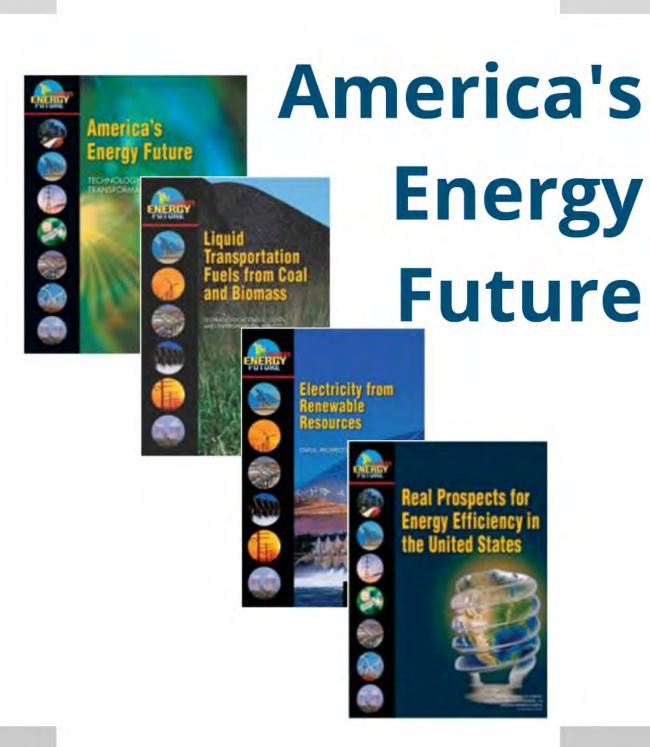


RESEARCH UNIVERSITIES AND THE FUTURE OF AMERICA

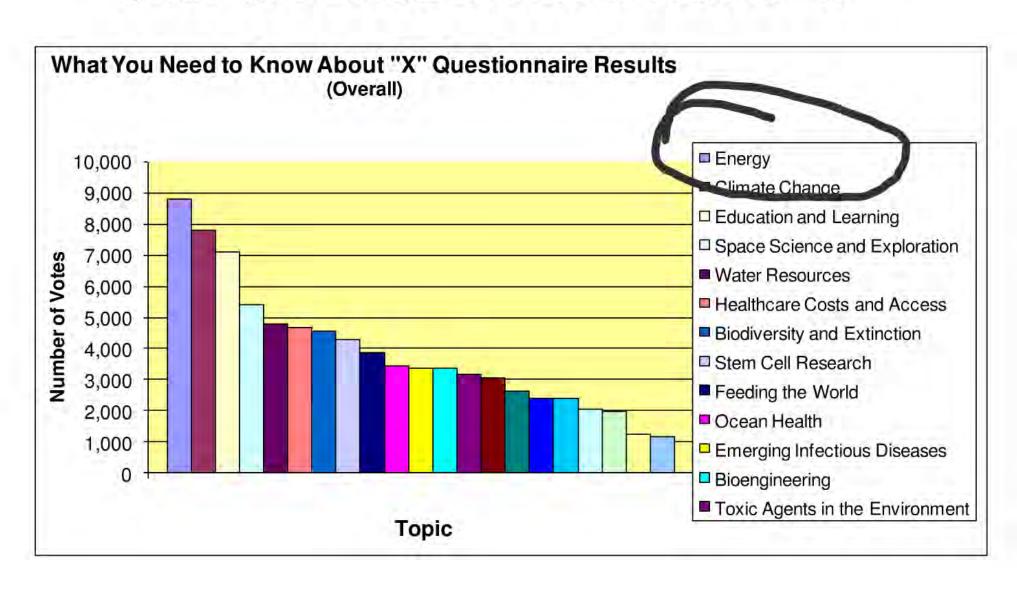
Ten Breakthrough Actions Vital to Our Nation's Prosperity and Security

NATIONAL RESEARCH COUNCI

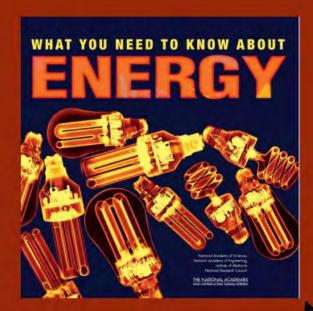




What You Need to Know About "x"*

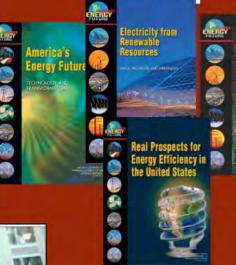


lts Energy Climate Change Education and Learning



What You Need to Know About Energy



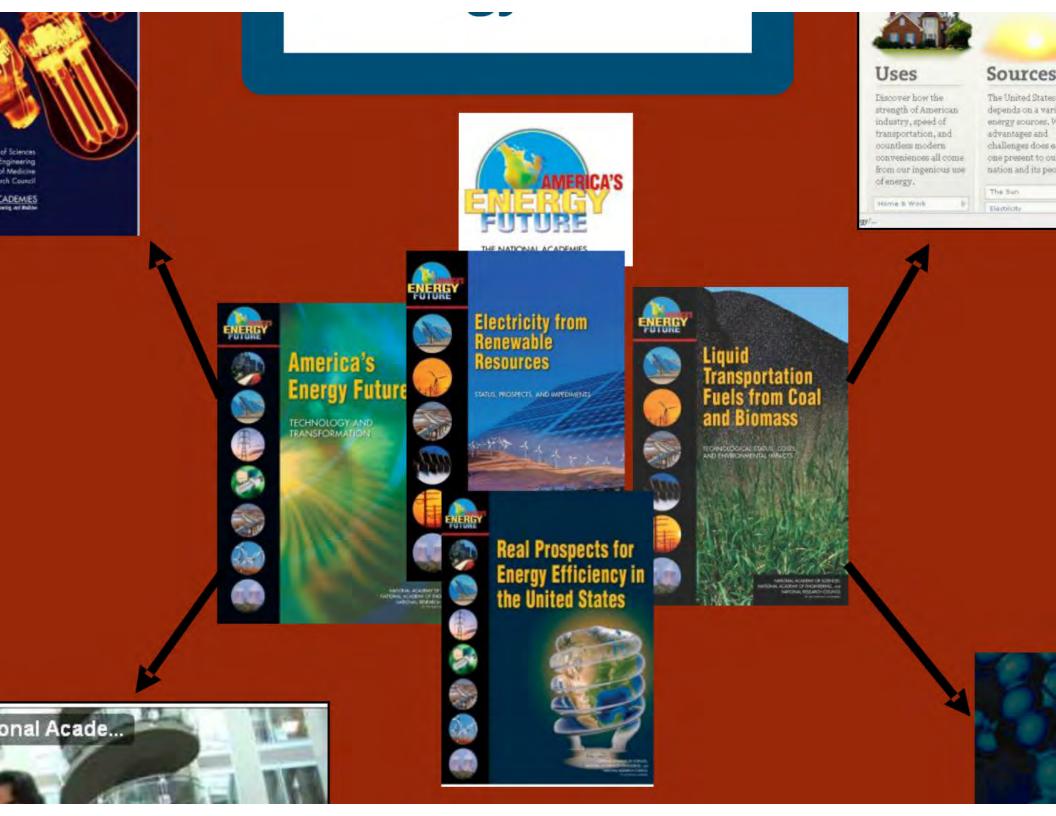


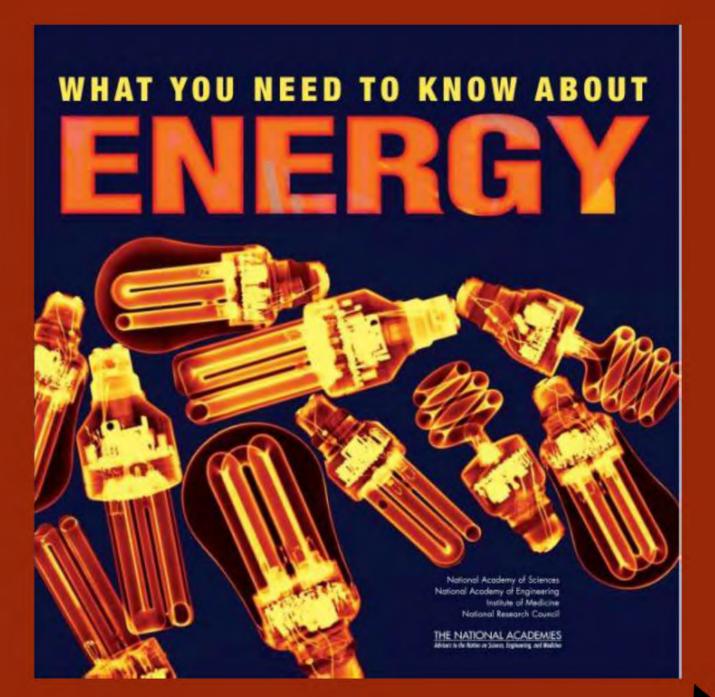
The National Academies | Bow Webselmency | Currented size | Costs |

| Baseline | Complex | Costs |
| Baseline | C



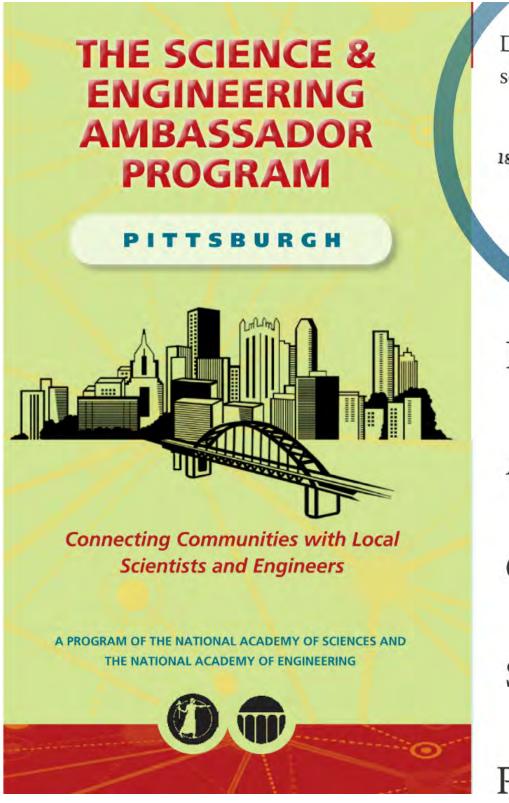




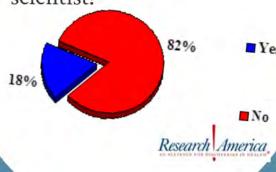








Do you personally know a scientist?



Bring science an

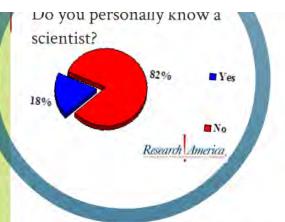
Allow people to

Choose ambassa

Start with the to

Programs based

Do you personally know a scientist? 82% ■ Yes 18% ■ No



Bring science and engineering into communities

Allow people to get to know scientists and engineers

Choose ambassadors based on science and communication expertise

Start with the topic of energy in one pilot city—Baltimore or Pittsburgh

Programs based on the needs of the community

rPittsburgh

MMUNICATING EXPERTISE

NATIONAL ADVISORY BOARD

he scientists and engineers who serve as Ambassadors are established, well-respected experts who come from academia, industry, or government. Each has demonstrated respect for the value of interacting with members of the community and has shown a talent for effective communication to non-expert audiences.

But new communication tools and techniques, as well as new research about effective methods for communicating, are constantly evolving.

Therefore, a key component of the Science & Engineering Ambassador Program is providing scientists and engineers with strategies to improve their communication with people outside their scientific or engineering field, such as members of the media, business leaders, teachers, neighborhood leaders, or any other group of local opinion leaders.

GROWTH

s of the Science & ng Ambassador Proends on active comarticipation, strong committed scientists we build the program of year, we welcome action and involvecount the program to be nation, our search inticipants will grow. But how you can get tour website www.

ors.org.



The following group of high-level volunteers, representing a variety of fields, have provided guidance in the planning of the program:

BARBARA SCHAAL (Chair)

National Academy of Sciences Vice President Mary-Dell Chilton Distinguished Professor Department of Biology Washington University St. Louis, MO

DAN E. ARVIZU

Director and Chief Executive U.S. Department of Energy's National Renewable Energy Laboratory Golden, CO

DEBORAH BLUM

Helen Firstbrook Franklin Professor of Journalism School of Journalism and Mass Communication University of Wisconsin—Madison Madison, WI

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SHAWN LAWRENCE OTTO

Co-founder and CEO Science Debate 2008 Marine on St. Croix, MN

JON PALFREMAN

President, Palfreman Film Group KEZI Distinguished Professor of Broadcast Journalism University of Oregon Eugene, OR

BOB RYAN

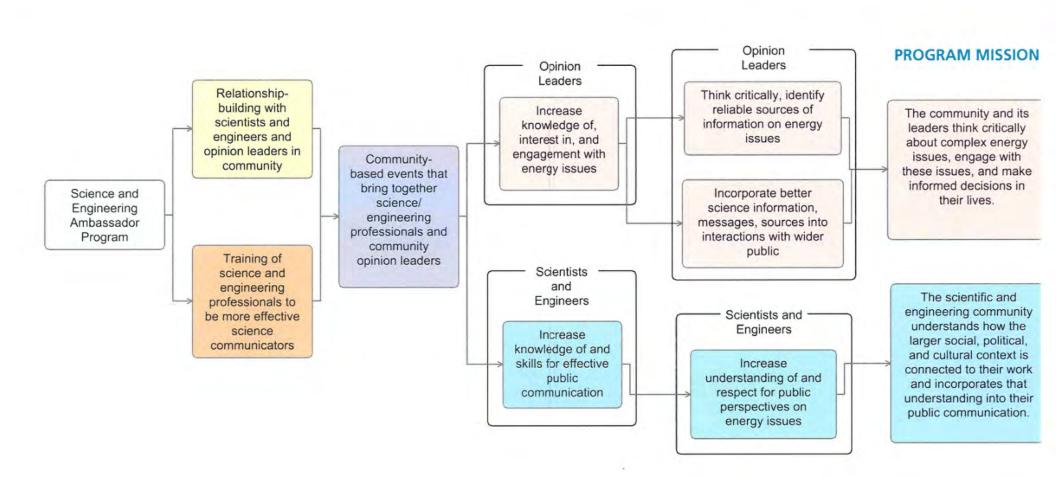
Lead Meteorologist ABC7/WJLA-TV Arlington, VA

DENNIS SCHATZ

Senior Vice President for Strategic Programs Pacific Science Center Seattle, WA

SCIENCE & ENGINEERING AMBASSADOR PROGRAM

PITTSBURGH PROGRAM OVERVIEW





Opinion Leaders: Those who have a platform on which to communicate further

Educators

Business Leaders

Neighborhood Group Activists

Religious Leaders

Elected Officials

NGOs

platform on which to comm

Educators

Business Leaders

Neighborhood Group Activists

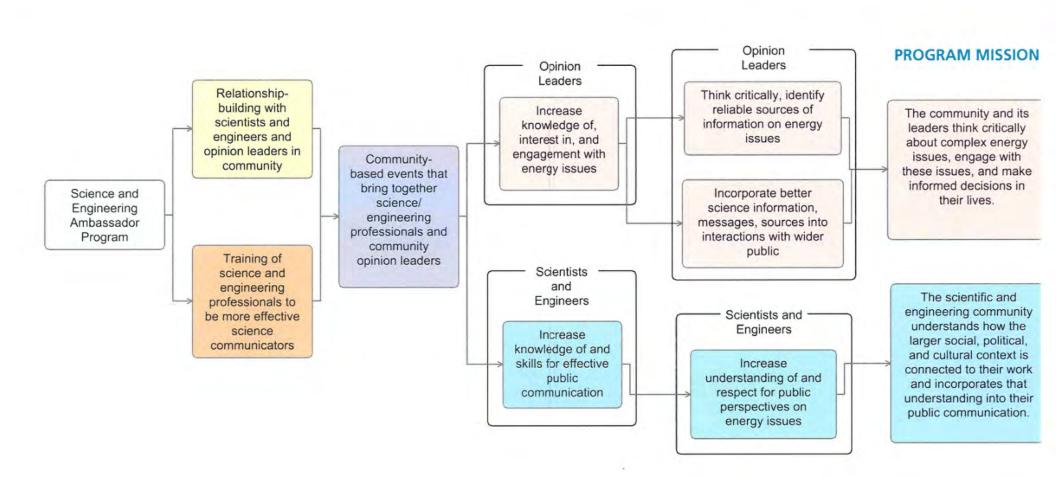
Religious Leaders

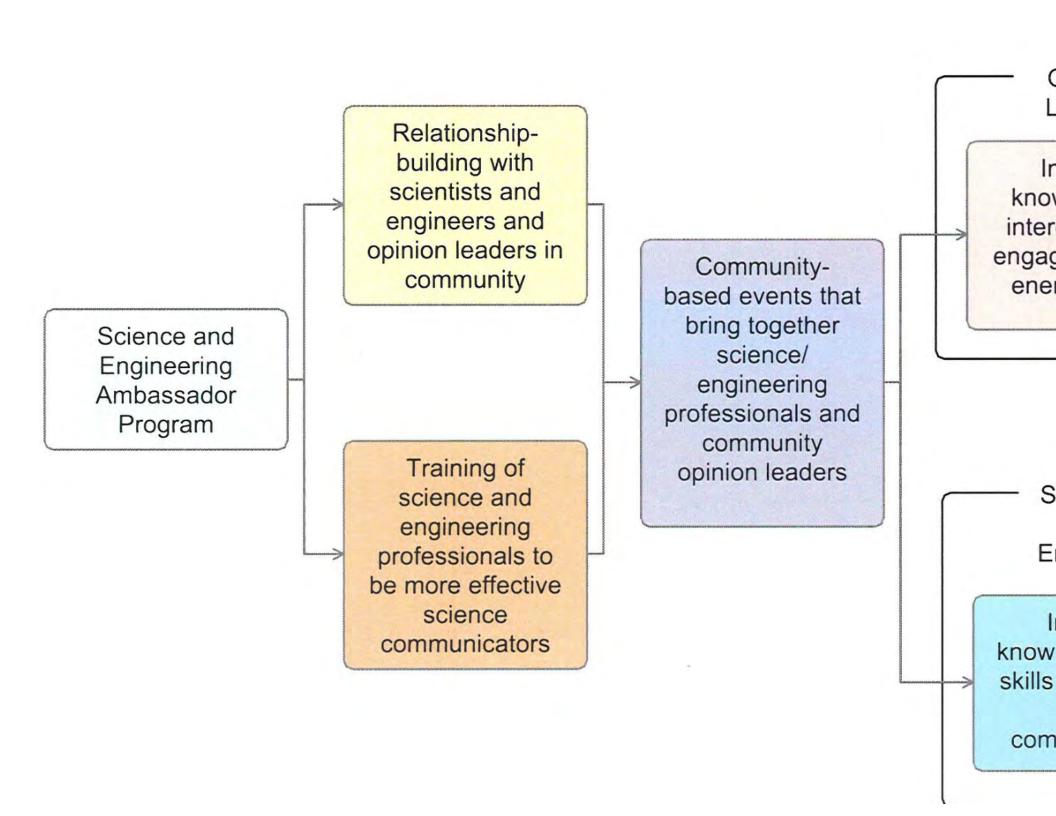
Elected Officials

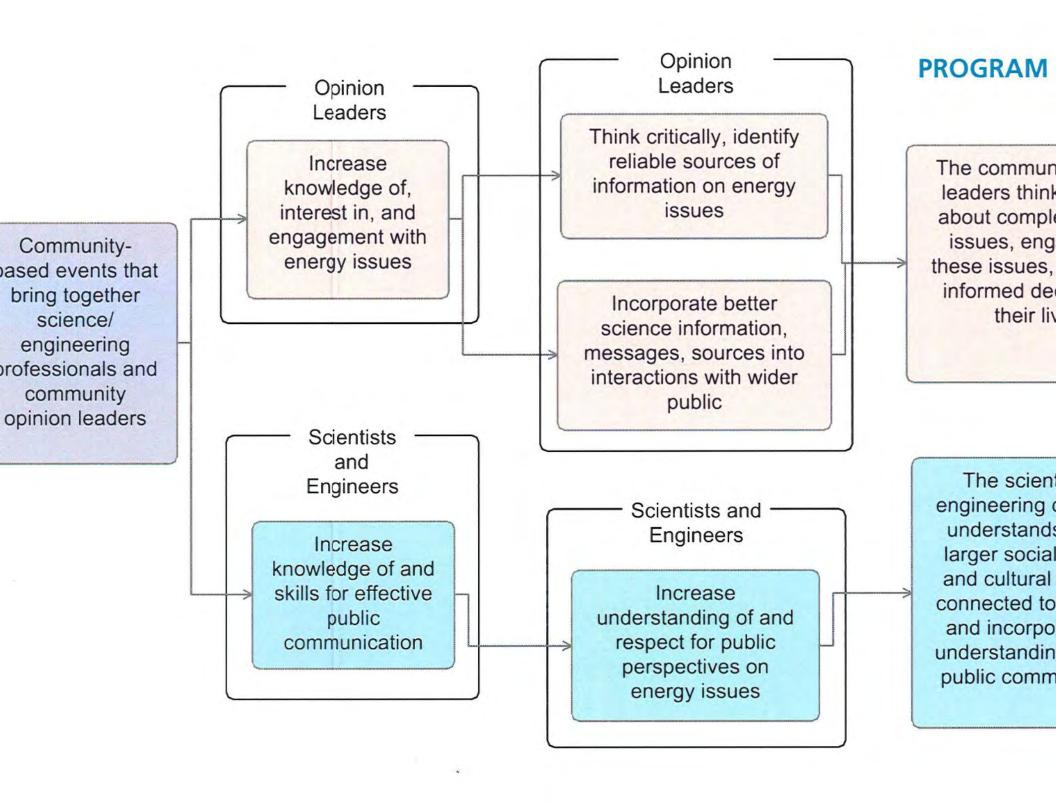
NGOs

SCIENCE & ENGINEERING AMBASSADOR PROGRAM

PITTSBURGH PROGRAM OVERVIEW







Opinion Leaders

Think critically, identify reliable sources of information on energy issues

Incorporate better science information, messages, sources into interactions with wider public

PROGRAM MISSION

The community and its leaders think critically about complex energy issues, engage with these issues, and make informed decisions in their lives.

Scientists and Engineers

Increase understanding of and respect for public perspectives on energy issues The scientific and engineering community understands how the larger social, political, and cultural context is connected to their work and incorporates that understanding into their public communication.





Dialogue

Presentation

Media Training

Science of Science Science Communication







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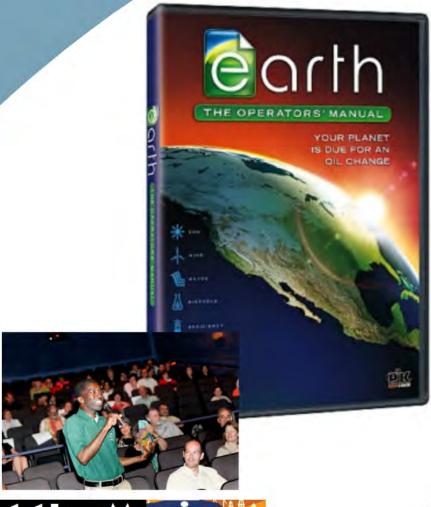












Energy at the Movies

Presented by DR. MICHAEL E. WEBBER

Supported by the AMERICAN CLEAN SKIES FOUNDATION

••••••••••••••

with additional support from AMD

Home

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Panel Discussion

Energy Films

Energy at the Movies

From the gushing opysors of district to the pulsanium powered time machine of Back to the Future, Inditywood has a entertained us with unforgettable, often icanic images of energy. Whether intentional or not, time in the quently serve as a snapshot of society, capturing sentiments of each time period. Many firms have therees that memoristize collective optimism. Fears, and observations about energy. Using film clips as a historical road map, Energy At The Movies is an entertaining locate that collections audiences about the ways times influence how we think about energy, and in turn, now we influence energy policy.

Energy at the Movies made its television premiere on Saturday June 2nd 2012 on KLRU-Q in Austin, Texas.

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