

# ***Resetting U.S. Climate Policy***



Twelfth International Conference  
on Climate Change

March 23-24, 2017 \* Grand Hyatt Hotel  
Washington, DC



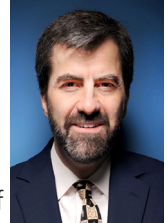
THE HEARTLAND INSTITUTE  
FREEDOM RISING

***“... a historic  
event: the  
moment when  
“realists” finally  
and clearly  
began to win  
the global  
warming war..”***

## Welcome to the Twelfth International Conference on Climate Change!

One chapter in the global debate over climate change – a chapter full of fake news, politicians making impossible promises, and efforts to harass and censor dissenting opinions – ended on November 8. A new chapter is beginning.

The election of Donald Trump as president of the United States creates hope for adoption of a pro-environment, pro-energy, and pro-jobs agenda for America. This conference, the first major conference on climate change taking place after the election, presents the science and economics that are the foundation of that new agenda.



JOSEPH L. BAST

Past conferences focused on climate science: climate history, the effect of climate change on plant and animal life, and the complicated evidence detailing what causes climate change. Hundreds of scientists spoke at those conferences, making a powerful case that the human impact on climate is small, future changes are uncertain, and there is little humans can do to change the weather. Climate “realists” won that debate.

Today, surveys show most Americans don’t believe climate change is a due to human activities. Most scientists don’t believe climate change is man-made and dangerous. Most elected Republicans don’t believe the regulations and subsidies adopted – largely without congressional approval – during the Obama administration were justified by science. And now, the President of the United States agrees and is willing to work with Congress to reset climate policy.

According to news accounts and the president himself, Congress and the Trump administration plan to end the Clean Power Plan, rescind the Environmental Protection Agency’s “endangerment” finding, withdraw the United States from the Paris climate accord (and possibly from the United Nations Framework Convention on Climate Change), cut billions of dollars from government programs that are little more than propaganda tools for climate alarmists, and work to restore scientific integrity to the climate change debate.

The Heartland Institute, along with many of the organizations cosponsoring this conference and speakers on the program, have been arguing for this agenda for many years. For the next two days, our best thinkers and doers will present their best data and ideas in support of this agenda. It promises to be quite a show!

Thank you for joining us here in the nation’s capital for what promises to be a historic event: the moment when “realists” finally and clearly began to win the global warming war.

Sincerely,

Joseph L. Bast  
President  
The Heartland Institute

## Conference Sessions and Schedule

**THURSDAY, MARCH 23, 2017**

- 7:30 – 9:00 AM**                      **REGISTRATION AND BREAKFAST**  
*Constitution Ballroom A-B*
- 8:00 – 8:45 AM**                      **BREAKFAST KEYNOTE ADDRESS**  
OPENING REMARKS: Joseph Bast  
KEYNOTE ADDRESS: TBA
- 8:45 – 8:55 AM**                      **DAUNTLESS PURVEYOR OF CLIMATE TRUTH AWARD**  
PRESENTER: Craig Rucker  
AWARD RECIPIENT: Walter Cunningham
- 8:55 – 9:25 AM**                      **HOUSEKEEPING AND BREAK**  
Jim Lakely
- 9:25 – 10:40 AM**                      **PANEL 1A.**  
**ENVIRONMENTAL ECONOMICS**  
*Constitution Ballroom A-B*  
MODERATOR: S.T. Karnick  
SPEAKERS: Randy Simmons, Ph.D.  
Timothy Terrell, Ph.D.  
Daniel Sutter, Ph.D.
- PANEL 1B.**  
**CLIMATE SCIENCE**  
*Constitution Ballroom C-E*  
MODERATOR: H. Sterling Burnett, Ph.D  
SPEAKERS: Willie Soon, Ph.D.  
S. Fred Singer, Ph.D.  
Don Easterbrook, Ph.D.
- 10:45 AM – 12:00 NOON**                      **PANEL 2A.**  
**FOSSIL FUELS AND HUMAN PROSPERITY**  
*Constitution Ballroom A-B*  
MODERATOR: Isaac Orr  
SPEAKERS: Indur Goklany, Ph.D.  
Craig Idso, Ph.D.  
Roger Bezdek, Ph.D.
- PANEL 2B.**  
**COST-BENEFIT ANALYSIS AND THE**  
**SOCIAL COST OF CARBON**  
*Constitution Ballroom C-E*  
MODERATOR: Craig Rucker  
SPEAKERS: Kevin Dayaratna, Ph.D.  
Robert Mendelsohn, Ph.D.  
Ross McKittrick, Ph.D.



## Conference Sessions and Schedule

**THURSDAY, MARCH 23, 2017**

12:00 NOON - 12:30 PM	<b>BREAK</b>
12:30 – 2:00 PM	<b>LUNCH AND KEYNOTE ADDRESSES</b> <i>Constitution Ballroom A-B</i> INTRODUCTION: Willie Soon, Ph.D. KEYNOTE ADDRESS: Patrick Michaels, Ph.D.  INTRODUCTION: John Nothdurft KEYNOTE ADDRESS: Rep. Lamar Smith (R-Texas)
2:00 – 2:30 PM	<b>HOUSEKEEPING AND BREAK</b> Jim Lakely
2:30 – 3:45 PM	<b>PANEL 3A.</b> <b>FOSSIL FUELS AND THE ENVIRONMENT</b> <i>Constitution Ballroom A-B</i> MODERATOR: Tom Harris SPEAKERS: Rich Trzupek Susan Crockford, Ph.D. Thomas Wysmuller  <b>PANEL 3B.</b> <b>FOSSIL FUELS AND WORLD PEACE</b> <i>Constitution Ballroom C-E</i> MODERATOR: Isaac Orr SPEAKERS: Dennis Avery Craig Idso, Ph.D. Aaron Stover
3:45 – 5:00 PM	<b>PANEL 4A.</b> <b>FOSSIL FUELS AND HUMAN HEALTH</b> <i>Constitution Ballroom A-B</i> MODERATOR: Isaac Orr SPEAKERS: John Dunn, M.D., J.D. James E. Enstrom, Ph.D. Steve Milloy, M.H.S., J.D.  <b>PANEL 4B.</b> <b>CLIMATE POLITICS AND POLICY</b> <i>Constitution Ballroom C-E</i> MODERATOR: S.T. Karnick SPEAKERS: Jay H. Lehr, Ph.D. Scott Armstrong, Ph.D. Hon. Dennis Hedke
5:00 – 6:00 PM	<b>BREAK</b>

## Conference Sessions and Schedule

### THURSDAY, MARCH 23, 2017

- 6:00 – 7:40 PM**      **DINNER KEYNOTE ADDRESSES**  
*Constitution Ballroom A-B*  
INTRODUCTION: Joseph Bast  
KEYNOTE ADDRESS: Robert Mendelsohn, Ph.D.
- INTRODUCTION: John Nothdurft  
KEYNOTE ADDRESS: Roger Helmer
- 7:40 – 7:55 PM**      **SPEAKS TRUTH TO POWER AWARD**  
PRESENTER: Joseph Bast  
AWARD RECIPIENT: Myron Ebell
- 7:55 – 8:10 PM**      **LIFETIME ACHIEVEMENT AWARD**  
PRESENTER: Joseph Bast  
AWARD RECIPIENT: Scott Armstrong, Ph.D.
- 8:10 – 8:15 PM**      **HOUSEKEEPING AND ADJOURN**  
Jim Lakely

### FRIDAY, MARCH 24, 2017

- 7:30 – 9:00 AM**      **BREAKFAST**  
*Constitution Ballroom A-B*
- 8:10 – 8:55 AM**      **BREAKFAST KEYNOTE ADDRESS**  
INTRODUCTION: Joseph Bast  
KEYNOTE ADDRESS: Christopher Monckton
- 8:55 – 9:25 AM**      **HOUSEKEEPING AND BREAK**  
Jim Lakely
- 9:25 – 10:40 AM**      **PANEL 5A. SUSTAINABILITY**  
*Constitution Ballroom A-B*  
MODERATOR: H. Sterling Burnett, Ph.D.  
SPEAKERS: Paul Driessen, J.D.  
Indur Goklany, Ph.D.  
Steve Goreham
- PANEL 5B.**  
**COST OF ALTERNATIVE FUELS**  
MODERATOR: Isaac Orr  
SPEAKERS: Benjamin Zycher, Ph.D.  
James Taylor, J.D.  
Mary Hutzler

## Conference Sessions and Schedule

**FRIDAY, MARCH 24, 2017**

- 10:40 AM – 12:00 NOON**      **PANEL 6.**  
**RESETTING CLIMATE POLICY (PLENARY SESSION)**  
*Constitution Ballroom A-B*  
MODERATOR: Isaac Orr  
SPEAKERS: Myron Ebell  
Steve Milloy, M.H.S., J.D.  
Hon. Bette Grande
- 12:00 NOON – 12:30 PM**      **BREAK**
- 12:30 – 1:35 PM**      **LUNCHEON KEYNOTE ADDRESS**  
*Constitution Ballroom A-B*  
INTRODUCTION: Isaac Orr  
KEYNOTE ADDRESS: Sen. John Barrasso (R-WY)
- 1:35 – 1:45 PM**      **POLITICAL LEADERSHIP ON CLIMATE CHANGE AWARD**  
PRESENTER: Becky Norton Dunlop  
AWARD RECIPIENT: Sen. John Barrasso (R-WY)
- 1:45 – 2:00 PM**      **CLOSING REMARKS**  
Joseph Bast



## Conference Speakers



**J. Scott Armstrong, Ph.D.**

J. Scott Armstrong, a professor at the Wharton School, University of Pennsylvania, is a founder of the *Journal of Forecasting*, *International Journal of Forecasting*, and *International Symposium on Forecasting*. He is the creator of forecastingprinciples.com and editor of *Principles of Forecasting* (Kluwer 2001), an evidence-based summary of knowledge on forecasting. In 1996 he was selected as one of the first six Honorary Fellows by the International Institute of Forecasters. He has been doing research on forecasting for nearly half a century. The Heartland Institute is presenting the Lifetime Achievement in Climate Science Award to Armstrong at this conference.



**Dennis T. Avery**

Dennis T. Avery has been a senior fellow of the Hudson Institute since 1989. Prior to that, he was a senior analyst in the U.S. Department of State (1980–88), where he won the National Intelligence Medal of Achievement in 1983. He also holds outstanding performance awards from the U.S. Department of Agriculture and U.S. Commodity Futures Trading Commission. He writes a weekly column on environmental issues that is distributed to the Knight Ridder-Tribune chain of newspapers. He is coauthor, with S. Fred Singer, of the *New York Times* bestseller *Unstoppable Global Warming – Every 1,500 Years* (Rowman & Littlefield, 2007) and author of *Global Food Progress* (Hudson Institute, 1991) and *Saving the Planet with Pesticides and Plastic: The Environmental Triumph of High-Yield Farming* (Hudson Institute 1995, 2d edition 2000).



**Sen. John Barrasso, M.D. (R-WY)**

Sen. John Barrasso represents Wyoming in the United States Senate and is chairman of the Senate Committee on Environment and Public Works. In 2012, Barrasso was reelected to the U.S. Senate with more than 75 percent of the vote, and he assumed the chairmanship of the EPW Committee in 2017, taking over for Sen. James Inhofe (R-OK). Barrasso is the fourth-ranking member in the Senate Republican leadership as chairman of the Senate Republican Policy Committee. The senator is known by many as Wyoming's Doctor. During his 24 years as an orthopedic surgeon, he served as president of the Wyoming Medical Society and was named Wyoming Physician of the Year. He and his wife Bobbi live in Casper. The Heritage Foundation is giving Sen. Barrasso the Political Leadership on Climate Change Award at this conference.



**Joseph Bast**

Joseph Bast is president and CEO of The Heartland Institute, a 33-year-old national nonprofit research center located in Arlington Heights, Illinois. According to a recent telephone survey, among state elected officials The Heartland Institute is among the nation's best-known and most highly regarded "think tanks." Bast is the author or editor of 21 books, including *Rebuilding America's Schools* (1990), *Why We Spend Too Much on Health Care* (1992), *Eco-Sanity: A Common-Sense Guide to Environmentalism* (1994), *Education & Capitalism* (2003), *Climate Change Reconsidered* (2009), *The Patriot's Toolbox* (2010, rev. ed. 2011), *Rewards* (2014), and *Why Scientists Disagree About Global Warming* (2015). His writing has appeared in *Phi Delta Kappan*, *Economics of Education Review*, *The Wall*

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*Street Journal*, *Investor's Business Daily*, *The Cato Journal*, *USA Today*, and many of the country's largest-circulation newspapers. Bast is publisher of four monthly newspapers sent to every national and state elected official and thousands of civic and business leaders: *School Reform News*, *Environment & Climate News*, *Health Care News*, and *Budget & Tax News*.



**Roger Bezdek, Ph.D.**

Roger Bezdek is an internationally recognized energy analyst and president of MISI – a Washington, DC-based economic, energy, and environmental research firm. He has more than 30 years of experience in the energy, utility, environmental, and regulatory areas in private industry, academia, and the federal government. He has previously served as senior advisor in the Office of the Secretary of the Treasury, as research director at the Department of Energy, as U.S. Energy and Environmental Delegate to the European Community and to NATO, and as a participant in the U.S. State Department AMPART program. He holds a Ph.D. in economics from the University of Illinois at Urbana-Champaign and is the author of six books and more than 300 publications in scientific and technical journals. Bezdek is the Washington editor of *World Oil* magazine.



**H. Sterling Burnett, Ph.D.**

H. Sterling Burnett is research fellow for The Heartland Institute and managing editor of *Environment & Climate News*, a monthly publication sent to every national and state elected official in the United States. He previously worked at the National Center for Policy Analysis for 18 years, most recently as a senior fellow in charge of NCPA's environmental policy program. He has held various positions in profes-

sional and public policy organizations, including serving as a member of the Environment and Natural Resources Task Force in the Texas Comptroller's e-Texas commission. He is a current director and past president of the Dallas Woods and Water Conservation Club; a senior fellow at the Texas Public Policy Foundation; an academic advisor for Collegians for a Constructive Tomorrow; and an advisor for the Energy, Natural Resources and Agricultural Task Force at the American Legislative Exchange Council.



**Susan J. Crockford, Ph.D.**

Susan J. Crockford is an adjunct professor at the University of Victoria and co-owner of a private scientific consulting firm, Pacific Identifications. She is a zoologist with a Ph.D. and specialties in evolutionary theory, archaeozoology, paleoecology, and forensic taxonomy. Crockford brings a unique "big-picture" perspective to the issue of polar bears and climate change. She has published many peer-reviewed papers on a range of topics, including polar bear evolution and climate change in the Arctic. She is an acknowledged expert on marine mammal ecology and evolution. In 2006, Crockford wrote a book for non-scientists about evolution that features polar bears called *Rhythms of Life: Thyroid Hormone and the Origin of Species*, and in 2012 she started a popular blog called PolarBearScience. She has written several magazine articles and opinion pieces on contemporary polar bear issues and recently released two short books on polar bear ecology and conservation: one is a summary volume suitable for children (*Polar Bear Facts and Myths*) and the other is a fully referenced volume aimed at adults and older teens (*Polar Bears: Outstanding Survivors of Climate Change*).



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**Walter Cunningham**

Walter Cunningham is best known as pilot of Apollo 7, the first manned flight test of the Apollo Program to land a man on the Moon. He is a retired Marine Corps fighter pilot with the rank of colonel and 4,500 hours pilot time. He is a successful businessman, entrepreneur, venture capitalist, lecturer, author, and host of a radio talk show. He is a member of the Astronaut Hall of Fame. His writings and involvement with energy and the environment date back to 1970, when he was one of three founders of The Earth Awareness Foundation. From 2000 to 2005, he was a member of the advisory board for the National Renewable Energy Laboratory. He is receiving the Dauntless Purveyor of Climate Truth Award from the Committee For A Constructive Tomorrow at this conference.



**Kevin D. Dayaratna, Ph.D.**

Kevin D. Dayaratna is senior statistician and research programmer in The Heritage Foundation's Center for Data Analysis. An applied statistician, he has researched and published on the use of high-powered statistical models in public policy, medical outcomes, business, economics, and even professional sports. Dayaratna grew up in Princeton Junction, New Jersey. He did his undergraduate work at the University of California, Berkeley, majoring in applied mathematics with a specialty in mathematical physics. He also holds two masters degrees from the University of Maryland, one in business and management and the other in mathematical statistics. In 2014, Dayaratna completed his Ph.D. in mathematical statistics from the University of Maryland with specialties in Bayesian modeling and statistical computing. His doctoral dissertation was titled *Contributions to Bayesian Statistical Modeling in Public Policy Research*.



**Paul Driessen, J.D.**

Paul Driessen is a senior policy advisor with the Committee For A Constructive Tomorrow and Center for the Defense of Free Enterprise, nonprofit public policy institutes that focus on energy, the environment, economic development, and international affairs. He is coauthor of *Cracking Big Green*, author of *Green Power, Black Death* (Merril Press, 2010), and coauthor of *Energy Keepers, Energy Killers* (Merril Press, 2008). During a 25-year career that included staff tenures with the United States Senate, Department of the Interior, and an energy trade association, Driessen has spoken and written frequently on energy and environmental policy, global climate change, corporate social responsibility, and other topics. Driessen received his bachelor's degree in geology and field ecology from Lawrence University and his law degree from the University of Denver College of Law.



**John Dale Dunn, M.D., J.D.**

John Dale Dunn has been a physician 42 years, is Board Certified in emergency medicine and legal medicine, and has been an inactive attorney for 35 years, admitted by examination to the bar in Louisiana, Nebraska, and Texas. He has conducted research, scholarship, and advocacy on environmental science and policy issues for 25 years. For the past 11 years, Dunn has been on the civilian faculty, emergency medicine residency, at Carl R. Darnall Army Medical Center, Fort Hood, Texas. Areas of professional and scholarly interest include human health effects of warming, air and water pollution, toxicology and epidemiology, and legal scientific evidentiary issues, ethics, and research methodology. He is medical director of multiple ambulance services in Central Texas, medical officer in Brown County, Texas, under Sheriff Bobby Grubbs, and

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a consultant to rural Texas hospitals on compliance and peer-review matters. Dunn has previously presented at Heartland climate conferences, contributes to Heartland publications, and actively blogs at JunkScience.com.



### Don Easterbrook, Ph.D.

Don Easterbrook is emeritus professor of geology at Western Washington University, where he has conducted research on global climate change in Argentina, New Zealand, western North America, and various other parts of the world for the past 48 years. He has written three textbooks and several other books and about 150 papers in professional journals, and he has presented 30 research papers at international meetings in 12 countries. He is past president of the Quaternary Geology and Geology Division of the Geological Society of America, chairman of the 1977 national Geological Society of America meeting, U.S. representative to the United Nations International Geological Correlation Program, associate editor of the *Geological Society of America Bulletin* for 15 years, and director of field excursions for the 2003 International Quaternary Association Congress. He has been featured in two *New York Times* articles on global warming (March 2007 and March 2009) and has appeared on national network shows at MSNBC, CNN, CBS, and the Fox News Channel.



### Myron Ebell

Myron Ebell is director of energy and global warming policy at the Competitive Enterprise Institute. He chairs the Cooler Heads Coalition, representing more than two dozen nonprofit groups in the United States and abroad that question global warming alarmism and oppose energy rationing policies. He has testified before six U.S. House and Senate committees

and has debated scores of government officials and environmental advocacy groups on radio and in person. In its May 22, 2004 special "Issues and Answers" issue, *National Journal* profiled Ebell as one of 10 people who would lead the global warming debate during the next presidential administration. Ebell served as head of the transition team for the Environmental Protection Agency in the Trump administration. He is receiving the Speaks Truth to Power Award from The Heartland Institute at this conference.



### James E. Enstrom, Ph.D.

James E. Enstrom is president of the Scientific Integrity Institute, an organization he founded in 2005. In December of that year he published a major paper on fine particulate matter and mortality in California, and since then he has conclusively documented that fine particulate matter does not cause premature death in California. After serving 36 years as research professor/researcher at the UCLA School of Public Health, he was wrongfully terminated because of his views. In February 2015 his wrongful termination was reversed and he retains rights as a retired UCLA faculty member. He has been a Fellow of the American College of Epidemiology since 1981. He has a bachelor's degree in physics from Harvey Mudd College, a Ph.D. in elementary particle physics from Stanford University, and an M.P.H. and postdoctoral certificate from the UCLA School of Public Health.



### Bette Grande

Bette Grande is a research fellow for energy and pension issues at The Heartland Institute. Prior to joining Heartland, she served as a North Dakota state representative from 1996 to 2014, representing the 41st district. As a lawmaker, she served as chairman of the Employee Benefits

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Programs Committee and as a member of the House Appropriations Committee and the Education and Environment Division.



**Steve Goreham**

Steve Goreham is executive director of the Climate Science Coalition of America (CSCA), a non-political association of scientists, engineers, and citizens dedicated to informing Americans about the realities of climate science and energy economics. CSCA is the U.S. affiliate of the International Climate Science Coalition. He is a policy advisor to The Heartland Institute, a speaker, author, and researcher on environmental issues as well as an engineer and business executive. He is a frequently invited guest on radio and television and a freelance writer. Goreham is the author of *Climatism!: Science, Common Sense, and the 21st Century's Hottest Topic* (2010); *The Mad, Mad, Mad World of Climatism* (2012); and *Outside the Green Box: Rethinking Sustainable Development*, which will be released in May 2017.



**Tom Harris**

Tom Harris is executive director of the International Climate Science Coalition. He received the Excellence in Climate Science Communications Award in 2014 from The Heartland Institute. For the past 15 years he has been working with independent scientists and engineers to promote a sensible approach to energy and environmental issues, climate change in particular. He is regularly published in newspapers across the world and interviewed on radio and TV. Until 2011, he taught 1,500 students in a second-year course titled "Climate Change, an Earth Sciences Perspective" at Carleton University in Ottawa, Canada. He has bachelor's and master's degrees in mechanical engineering.



**Mary Hutzler**

Mary Hutzler is a senior fellow at the Institute for Energy Research. Before joining IER, Hutzler was a top energy analyst for the U.S. government, having spent more than 25 years at the Energy Information Administration, where she specialized in data collection, analysis, and forecasting. During her tenure at EIA, Hutzler held numerous management positions and was named acting administrator of the agency by President Bush in 2001. In that position, she testified before congressional committees, briefed policymakers on energy issues, held press conferences on EIA products, and interacted with energy organizations on controversial issues dealing with EIA data collections. Hutzler received the Presidential Rank Award twice, an honor by which the president "recognizes and celebrates a small group of career senior executives."



**Dennis E. Hedke**

Dennis E. Hedke is a partner in the firm Hedke-Saenger Geoscience, Ltd., where he is a consulting geophysicist and conducts research related to Earth's climate as well as policies that relate to energy and environmental interactions. He served six years in the Kansas House of Representatives from 2011 to 2016, the last four of which he was chairman of the House Energy & Environment Committee. That committee initiated legislation that ultimately succeeded in reversing policy that mandated the expansion of renewable energy in the State of Kansas, resulting in restoration of free-market principles for electrical energy production. He has published multiple scientific articles related to seismic technology applied to oil and gas exploration and development.

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**Craig D. Idso, Ph.D.**

Craig D. Idso is founder and former president of the Center for the Study of Carbon Dioxide and Global Change and currently serves as chairman of its board of directors. Idso's current research focus is on carbon sequestration, but he remains actively involved in several other aspects of global and environmental change, including climatology and meteorology, along with their effects on agriculture. Idso received a bachelor's degree in geography from Arizona State University, a master's degree in agronomy from the University of Nebraska – Lincoln, and a Ph.D. in geography from Arizona State University. Idso has published scientific articles on issues related to data quality, the growing season, the seasonal cycle of atmospheric carbon dioxide, world food supplies, coral reefs, and urban carbon dioxide concentrations, the latter of which he investigated via a National Science Foundation grant as a faculty researcher in the Office of Climatology at Arizona State University. He is a lead author of the *Climate Change Reconsidered* series produced by the Nongovernmental International Panel on Climate Change.



**S.T. Karnick**

S.T. Karnick is director of research for The Heartland Institute. Before joining Heartland, he served as director of publications for the Hudson Institute, where he was co-founder and editor-in-chief of the organization's quarterly magazine, *American Outlook*. Karnick has written several hundred articles for publications and websites such as *The Weekly Standard*, *The American Spectator*, *National Review*, the *New York Post*, *Washington Examiner*, *National Interest*, *Pajamas Media*, and others, as well as for radio and television. He also serves as editor of *The American*

*Culture*, which provides news and analysis about cultural, social, and political trends.



**Jim Lakely**

Jim Lakely is director of communications at The Heartland Institute, editor-in-chief of Heartland's blog, *Freedom Pub*, and executive producer of the Heartland Daily Podcast. Prior to joining Heartland in 2008, Lakely spent 16 years in daily-deadline journalism. A former White House correspondent for *The Washington Times*, Lakely covered Capitol Hill and the re-election campaign and second term of President George W. Bush. He has appeared on C-SPAN, the Fox News Channel, MSNBC, CNN, and several local television news programs to discuss politics and policy. He's been an editorial writer and columnist for the *Tribune-Review* in Pittsburgh, Pennsylvania; *The Free Lance-Star* in Fredericksburg, Virginia; and *The Press-Enterprise* in Riverside, California.



**Jay Lehr, Ph.D.**

Jay Lehr is senior fellow and science director of The Heartland Institute. He is an internationally renowned speaker, scientist, and author who has testified before Congress on more than three dozen occasions on environmental issues and consulted with nearly every agency of the federal government and with many foreign countries. Lehr is a leading authority on groundwater hydrology. After graduating from Princeton University at the age of 20 with a degree in geological engineering, he went on to receive the nation's first Ph.D. in groundwater hydrology from the University of Arizona. He is the author of more than 1,000 magazine and journal articles and 30 books. He is editor of *Rational Readings on Environmental Concerns*, McGraw-Hill's *Handbook on Environmental Science, Health and Tech-*

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nology (2000); Wiley's *Remediation Technologies Handbook* (2004); *Environmental Instrumentation and Analysis Handbook* (2005); the six-volume *Water Encyclopedia* (Wiley Interscience, 2005); Wiley Interscience's *Nuclear Energy Encyclopedia: Science, Technology, and Applications* (2011); and Wiley's *Alternative Energy and Shale Gas Encyclopedia* (2016).



### Ross McKittrick, Ph.D.

Ross McKittrick is a professor of economics at the University of Guelph, where he specializes in environmental economics. He has published dozens of peer-reviewed journal articles on a wide range of topics, including the economic theory of pollution policy, economic growth and air pollution trends, climate policy options, the measurement of temperature and climate change, and statistical methods in paleoclimatology. He also has published many invited book chapters, essays in print media, and technical think tank reports. In 2003 his (coauthored) book *Taken By Storm: The Troubled Science, Policy and Politics of Global Warming* won the \$10,000 Donner Prize for the best book on Canadian public policy. McKittrick has been cited in media around the world as an expert on climate change and the Kyoto Protocol. In 2006 he was one of 12 experts from around the world asked to brief a panel of the U.S. National Academy of Sciences on paleoclimate reconstruction methodology. McKittrick holds a bachelor's degree in economics from Queen's University and a master's degree and Ph.D. in economics from the University of British Columbia.



### Robert Mendelsohn, Ph.D.

Robert Mendelsohn is professor of economics, professor of management, and the Edwin Weyerhaeuser Davis Professor of Forest Policy at Yale University. He has written more than 100 peer-reviewed articles and edited six books. The focus of his research has been the valuation of the environment. His most recent work values the effects of greenhouse gases, including the effects of climate change on agriculture, forests, water resources, energy, and coasts. Mendelsohn earned his bachelor's degree in economics (*magna cum laude*) from Harvard University, and his Ph.D. in economics from Yale University.



### Patrick J. Michaels, Ph.D.

Patrick J. Michaels is director of the Center for the Study of Science at the Cato Institute. He is a past president of the American Association of State Climatologists, was program chair for the Committee on Applied Climatology of the American Meteorological Society, was a research professor of environmental sciences at University of Virginia for 30 years, and was a contributing author to and is a reviewer of the United Nations Intergovernmental Panel on Climate Change. His writing has been published in *Climate Research*, *Climatic Change*, *Geophysical Research Letters*, *Journal of Climate*, *Nature*, and *Science*, as well as in popular serials worldwide. He is the author or editor of six books on climate and its impact and he was an author of the climate "paper of the year" awarded by the Association of American Geographers in 2004. His latest book, written with Paul C. Knappenberger, is *Lukewarming: The New Climate Science that Changes Everything* (2016).



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**Steven Milloy, J.D., LL.M**

Steven Milloy is a recognized leader in the fight against junk science with more than 25 years of accomplishment and experience. Credited with popularizing the term “junk science,” Milloy is founder and publisher of JunkScience.com and, from 2000 to 2009, wrote the popular “Junk Science” column for FoxNews.com. He is an expert on energy, environmental, and public health issues, as well as a public affairs consultant, author, TV/radio commentator, and public speaker. Milloy was trained in natural sciences, biostatistics, law, and securities regulation. He has also been an attorney for the U.S. Securities and Exchange Commission, a broker-dealer, a registered securities principal, investment fund manager, non-profit executive, print/web columnist on science and business issues, and coal company executive. Milloy’s latest book is *Scare Pollution: Why and How to Fix the EPA*. Milloy served on the transition team for the Environmental Protection Agency in the Trump administration. He earned his law degree at the University of Baltimore and his Master of Laws from the Georgetown University Law Center.



**Lord Christopher Monckton**

Lord Christopher Monckton, Third Viscount Monckton of Brenchley, is chief policy advisor to the Science and Public Policy Institute (SPPI). He has held positions with the British press and in government, as a press officer at the Conservative Central Office, and as Prime Minister Margaret Thatcher’s policy advisor from 1982 to 1986. His work has been published in *Science Bulletin* (a publication of the Chinese Academy of Sciences), *Energy and Environment*, *Coordinates*, *Journal of the Marine Navigation Industry*, *Science and Education*, *UK Quarterly Economic Bulletin*,

*Physics and Society*, and *AIG News*. For his work on the climate, Monckton – who was Nerenberg Lecturer in Mathematics at the University of Western Ontario in 2013 – has been presented with numerous honors, including the Meese-Noble Award for Freedom, the Valiant-for-Truth Award of the Committee For A Constructive Tomorrow, the Santhigiri Ashram Award, and the Intelligence Medal of the Army of Colombia.



**Isaac Orr**

Isaac Orr is a research fellow on energy and environment issues at The Heartland Institute.

He previously worked as a research analyst and writer in the office of Wisconsin state Sen. Frank Lasee and prior to that interned with the Rancher’s Cattleman Action Legal Fund. He graduated in 2010 with honors from the University of Wisconsin-Eau Claire with a bachelor’s degree in political science with a minor in geology. He has written seven *Policy Studies* on fracking and frac sand mining for The Heartland Institute and has been published in *USA Today*, *Houston Chronicle*, *Milwaukee Journal-Sentinel*, *Washington Times*, *The Hill*, *American Thinker*, *Human Events*, and many other publications across America.



**Craig Rucker**

A native of Buffalo, New York who received his master’s degree in public administration from the State University of New York at Albany, Craig Rucker is a co-founder of the Committee For A Constructive Tomorrow and currently serves as its executive director. For more than 20 years, Rucker has provided expertise to a wide range of government, academic, media, and industry forums. He serves as co-host of CFACT’s daily national radio commentary called “Just the Facts,” which has

## Conference Speakers

been airing on some 125 radio stations from coast to coast since 1993. Rucker has written extensively on numerous environmental policy issues, and his work has been featured in such media outlets as CNN, the BBC, *USA Today*, *Des Moines Register*, *Cleveland Plain-Dealer*, *The Wall Street Journal*, and the *Washington Post*. Rucker has had primary responsibility for helping build CFACT's Collegians program on more than 40 campuses across the country, and he has attended or brought student delegations to major United Nations conferences in Bonn, Cancun, Copenhagen, Istanbul, Kyoto, Marrakesh, and Montreal. He will be presenting the Dauntless Purveyor of Climate Truth Award to Walter Cunningham.



### Randy Simmons, Ph.D.

Randy Simmons is senior fellow at the Property and Environment Research Center, senior fellow at the Independent Institute, professor of economics at Utah State University, and co-founder, president, and director of research of Strata. His books for the Independent Institute include *Nature Unbound: Bureaucracy vs. the Environment* (with Ryan Yonk and Kenneth Sim), *Beyond Politics: The Roots of Government Failure*, *Aquanomics: Water Markets and the Environment* (edited with B. Delworth Gardner), and he is co-editor with Terry Anderson of *The Political Economy of Customs and Culture*. Simmons received his Ph.D. in political science from the University of Oregon. He has been a policy analyst in the Office of Policy Analysis at the U.S. Department of the Interior; mayor of Providence, Utah; and a member of the board of directors of the Utah League of Cities and Towns and the Utah Governor's Privatization Commission.



### S. Fred Singer, Ph.D.

S. Fred Singer is an atmospheric and space physicist and founder and president of the Science and Environmental Policy Project. He was a distinguished research professor at George Mason University and is professor emeritus of environmental science at the University of Virginia. He is the author or coauthor of many books including four volumes in the *Climate Change Reconsidered* series. Singer participated in the first experiments using high-altitude research rockets, measuring the energy spectrum of primary cosmic rays and the distribution of stratospheric ozone; he published the first studies on subatomic particles trapped in Earth's magnetic field. He has held a wide range of science positions with the U.S. government, including first director of the National Weather Satellite Service. Singer is an elected Fellow of the American Association for the Advancement of Science, American Geophysical Union, American Physical Society, and American Institute for Aeronautics and Astronautics. In 1997, NASA presented Singer with a commendation and cash award "for important contributions to space research." He received the Lifetime Achievement in Climate Science Award from The Heartland Institute in 2014.



### Rep. Lamar Smith (R-Texas)

Lamar Smith represents the 21st Congressional District of Texas in the United States House of Representatives. He serves as chairman of the House Science, Space, and Technology Committee, which has jurisdiction over the Environmental Protection Agency, NASA, Department of Energy, National Science Foundation, Federal Aviation Administration, and National Institute of Standards and Technology. Smith continues to serve on the Judiciary Committee and the Homeland Security

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Committee. He is a former chairman of the Judiciary Committee and Ethics Committee. Smith was ranked the most effective member of the House in the 112th Congress (2011–2012) in a study jointly conducted by the University of Virginia and Vanderbilt University. He also has been named Policymaker of the Year by *Politico* for his work on patent reform legislation. A fifth-generation Texan and native of San Antonio, Smith graduated from Yale University and Southern Methodist University School of Law. He and his wife, Beth, have an adult daughter and son.



**Willie Soon, Ph.D.**

Willie Soon is an astrophysicist and geoscientist. He received the 2014 Courage in Defense of Science Award from the George C. Marshall Institute. He is the receiving editor in the area of solar and stellar physics for the journal *New Astronomy*. He writes and lectures both professionally and publicly on important issues related to the sun, other stars, and Earth as well as general science topics in astronomy and physics. He is the author of *The Maunder Minimum* and the *Variable Sun-Earth Connection*. Soon was recognized by the Smithsonian Institution with an award for detailed scholarship on biogeological and climatic change over the past 1,000 years. In 2004, Soon was presented with the Petr Beckmann Award by Doctors for Disaster Preparedness for “courage and achievement in defense of scientific truth and freedom.” The views expressed by Willie Soon are strictly his and do not reflect those of any institutions.



**Aaron Stover**

Aaron Stover is a senior staff member and policy analyst for The Heartland Institute. He previously worked on transatlantic policy

projects focused on Central and Eastern Europe for the Atlantic Council, the Center for European Policy Analysis, and the U.S.-EU-Slovakia Action Commission at the Center for Strategic and International Studies. Stover also managed development research and marketing for international trade and regulatory policy projects at the U.S. Chamber of Commerce and held IT and accounting positions in the private sector. He earned a master's degree cum laude in European studies from the Elliott School of International Affairs at the George Washington University and a bachelor's degree in government and French from the University of Texas at Austin. Stover also studied political science at the University of Paris at Nanterre.



**Daniel Sutter, Ph.D.**

Daniel Sutter has been the Charles G. Koch Professor of Economics with the Manuel H. Johnson Center for Political Economy in Troy University's Sorrell College of Business since 2011. His primary research interests include the societal impacts of extreme weather and climate change, ideological biases in the academy and news media, and the impacts of public policies and regulations. His public writings include “Different but Equal? On the Contributions of Dissident Economists,” published in the *American Journal of Economics and Sociology*; “Do People Respond to Low Probability Risks? Evidence from Tornado Risk and Mobile Homes,” co-authored with Marc Poitras and published in the *Journal of Risk and Uncertainty*; and “The Costs of Cooperation,” co-authored with Tyler Cowen and published in *The Review of Austrian Economics*. Sutter co-authored or co-edited four books, including *Economic and Societal Impacts of Tornadoes* and *Deadly Season: Analyzing the 2011 Tornado Outbreaks*. Sutter received his bachelor's degree from Rensselaer Polytechnic Institute in 1987,

## Conference Speakers

his master's degree from George Mason University in 1992, and his Ph.D. from George Mason in 1993.



**James M. Taylor, J.D.**

James M. Taylor is president of the Spark of Freedom Foundation and a senior fellow for environment and energy policy at The Heartland Institute. Taylor is the former managing editor (2001–2014) of *Environment & Climate News*. He is a contributor at Forbes.com. He has presented energy and environment analysis on CNN, CNN Headline News, Fox News Channel, and Fox Business Channel and has been published in virtually every major newspaper in the country. He has been a featured presenter at conferences sponsored by the National Conference of State Legislatures, American Legislative Exchange Council, Council of State Governments, National Association of Counties, National Foundation of Women Legislators, and the European Institute for Climate and Energy. Taylor received his bachelor's degree from Dartmouth College, where he studied atmospheric science and majored in government, and his law degree from Syracuse University.



**Timothy Terrell, Ph.D.**

Timothy Terrell is an economics professor at Wofford College. He serves on the editorial staff

of the *Quarterly Journal of Austrian Economics* and is an associated scholar with the Mises Institute. He is also a senior fellow with the Cornwall Alliance for the Stewardship of Creation and a policy advisor for The Heartland Institute. Terrell's research includes work on environmental regulation, property rights, and the ethics of market systems, resulting in multiple journal articles, policy papers, invited lectures, and testimony before a congressional subcommittee on these topics. He earned his bachelor's degree and master's degree in economics from Clemson University and his Ph.D. in economics from Auburn University.



**Richard Trzupek**

Richard Trzupek is a chemist who has been employed as an environmental consultant to industry for more than 25 years. He specializes in air quality issues, has worked for several Fortune 500 companies, has participated in the development of environmental legislation and regulation, and is currently principal consultant at Mostardi Platt Environmental, a consulting and engineering firm based in Oak Brook, Illinois. Trzupek's commentaries have appeared in a variety of regional and national publications, including the *Chicago Tribune*, *Crain's Chicago Business*, and Reuters. He blogs at frontpagemag.com, threedonia.com, and Breitbart.com. Trzupek is the author of *Regulators Gone Wild: How the EPA Is Ruining American Industry* (Encounter Books, 2011).

## Conference Speakers



**Thomas Wismuller**

Thomas Wismuller trained as a meteorologist at New York University and at the Royal

Dutch Weather Bureau in Amsterdam. He then worked for five years throughout NASA before, during, and after the moon landings. He is routinely invited back to give science and meteorology lectures at NASA Field Centers. The polynomial regression mathematics, algorithms, or code Wismuller personally produced after leaving NASA are being used by virtually every climate scientist on the planet, either embedded in their models or used in their analysis. He was highlighted in *Horizons*, the American Institute for Aeronautics and Astronautics' special issue for NASA's 50th anniversary. He lectures on the meteorology of climate across the globe, and millions follow his accurate meteorological forecasts annually.



**Benjamin Zycher, Ph.D.**

Benjamin Zycher is John G. Searle chair and resident scholar at the American Enterprise

Institute, a senior fellow at the Pacific Research Institute, and a member of the advisory board of the quarterly journal *Regulation*. He is a former associate in the Intelligence Community Associates program of the Office of Economic Research in the U.S. Department of State; a former senior fellow at the Manhattan Institute for Policy Research; a former senior economist at the RAND Corporation; a former member of the board of directors of the Western Economic Association International; a former vice president for research at the Milken Institute; founding editor of the quarterly public policy journal *Jobs & Capital*; and a former senior staff economist at the President's Council of Economic Advisers. Zycher is also a former senior economist at the Jet Propulsion Laboratory, California Institute of Technology. Zycher earned his bachelor's degree in political science at UCLA, his master's degree in public policy from the University of California, Berkeley, and his Ph.D. in economics from UCLA.





## Conference Cosponsors

### Center for the Study of Carbon Dioxide and Global Change [www.co2science.org](http://www.co2science.org)

The Center for the Study of Carbon Dioxide and Global Change provides regular commentary and original research in the world-wide scientific quest to determine the climatic and biological consequences of the ongoing rise in the air's carbon dioxide content, publishing material weekly in its *CO2 Science* magazine. The center also partners with The Heartland Institute and the Science and Environmental Policy Project to produce the official reports of the Nongovernmental International Panel on Climate Change.

**Contact:** Craig Idso  
[cidso@co2science.org](mailto:cidso@co2science.org)

### Committee For A Constructive Tomorrow [www.cfact.org](http://www.cfact.org)

Founded in 1985, CFACT strongly believes the power of the market combined with the applications of safe technologies could offer humanity practical solutions to many of the world's pressing concerns. With an impressive scientific advisory board, aggressive collegiate program, CFACT Europe, United Nations representation, Adopt-A-Village project, global social responsibility program, and "Just the Facts" national radio commentary, CFACT continues to offer positive solutions to today's global challenges.

**Contact:** Craig Rucker  
[crucker@cfact.org](mailto:crucker@cfact.org)

### Competitive Enterprise Institute [www.cei.org](http://www.cei.org)

The Competitive Enterprise Institute is a non-profit public policy organization dedicated to advancing the principles of limited government, free enterprise, and individual liberty. Our mission is to promote both freedom and fairness by making good policy good politics. We make the uncompromising case for economic

freedom because we believe it is essential for entrepreneurship, innovation, and prosperity to flourish.

**Contact:** Myron Ebell  
[mebell@cei.org](mailto:mebell@cei.org)

### European Institute for Climate and Energy [www.eike-klima-energie.eu](http://www.eike-klima-energie.eu)

An association of scientists, engineers, journalists, and politicians founded in Berlin, Germany, in 2007, EIKE members share a conviction that the assertion of a "man-made climate change" is not justified as a science and therefore is a fraud. EIKE provides platforms for discussion and publication of scientific findings. It is funded by voluntary contributions from its members and donations. The registration as an association has been made at the district court of Jena.

**Contact:** Wolfgang Müller  
[wolfgang@iuf-berlin.org](mailto:wolfgang@iuf-berlin.org)

### The Heartland Institute [www.heartland.org](http://www.heartland.org)

The Heartland Institute is a 33-year-old national nonprofit research organization dedicated to discovering, developing, and promoting free-market solutions to social and economic problems. It publishes *Environment & Climate News*; the *Climate Change Reconsidered* series for the Nongovernmental International Panel on Climate Change; and scores of other publications on climate and environment issues as well as budget and tax issues, education reform, health care policy, and more.

**Contact:** Jim Lakely  
[jlakely@heartland.org](mailto:jlakely@heartland.org)

## Conference Cosponsors

### The Heritage Foundation

[www.heritage.org](http://www.heritage.org)

The Heritage Foundation is a research and educational institution – a think tank – whose mission is to formulate and promote conservative public policies based on the principles of free enterprise, limited government, individual freedom, traditional American values, and a strong national defense.

**Contact:** Ryan Nichols

[Ryan.Nichols@heritage.org](mailto:Ryan.Nichols@heritage.org)

### International Climate Science Coalition

[www.climatescienceinternational.org](http://www.climatescienceinternational.org)

The International Climate Science Coalition is a non-partisan group of independent scientists, economists, and energy and policy experts who are working to promote better understanding of climate science and related policy worldwide.

We aim to help create an environment in which a more rational, open discussion about climate issues emerges, thereby moving the debate away from implementation of costly and ineffectual “climate control” measures.

**Contact:** Tom Harris

[tom.harris@climatescienceinternational.net](mailto:tom.harris@climatescienceinternational.net)

### Media Research Center

[www.mrc.org](http://www.mrc.org)

As the nation’s premier media watchdog, the Media Research Center has been documenting, exposing, and neutralizing liberal media bias since 1987. The MRC’s unwavering commitment to this single mission using empirical research and analysis has influenced how millions of Americans perceive so-called objective news reporting. Contributions to the MRC are tax-deductible.

**Contact:** Christian Robey

[crobey@mrc.org](mailto:crobey@mrc.org)

### Reality News

[www.realitynewsmedia.com](http://www.realitynewsmedia.com)

*Reality News* attempts to provide everyday people relevant, tangible, and high-level information not being disseminated to them by more traditional news resources. The interest of *Reality News* readers originates with their desire to inform themselves on the most crucial current issues affecting our society and world. These readers are generally quite politically engaged or are becoming so, not necessarily by choice but certainly by necessity.

**Contact:** Steve Welcenbach

[alchem1@earthlink.net](mailto:alchem1@earthlink.net)

### Science and Environmental Policy Project

[www.sepp.org](http://www.sepp.org)

The Science and Environmental Policy Project (SEPP) is a non-profit, 501(c)(3) educational organization founded in 1990 by atmospheric physicist S. Fred Singer. Its mission is to educate politicians, the media, and the public on the importance of scientific rigor in establishing environmental policy and related policies. SEPP does not solicit financial support from industry groups, government entities, or NGOs.

**Contact:** S. Fred Singer

[singer@sepp.org](mailto:singer@sepp.org)

# *Congratulations to Our Award Winners*

Many scientists, economists, and policy experts have worked for decades fighting the politicization and misinterpretation of climate science. They've taken risks, both to their personal safety and to their professional careers, simply by speaking truth to power. Many have made courageous decisions that have cost them the promotions and rewards they might otherwise have received from their peers.

The Climate Change Awards were started in 2014 as a way to recognize individuals of extraordinary ability and unflagging commitment to restoring sound science and common sense to the debate over global warming. These awards deliver long-overdue recognition and encouragement to their recipients.

The awards also serve to increase public awareness of the global warming realism movement and send a signal to the academy and other elite institutions saying if they won't recognize these genuine heroes, then the sponsors of these awards will. And finally, they encourage otherwise silent scientists, philanthropists, and civic and business leaders to speak up on behalf of sound science and common sense.

# 2017 Award Winners



**Dauntless Purveyor of  
Climate Truth Award**  
*Presented to*  
Walter Cunningham  
*Sponsored by*  
Committee For A Constructive  
Tomorrow (CFACT)



**Lifetime Achievement Award**  
*Presented to*  
J. Scott Armstrong, Ph.D.  
*Sponsored by*  
The Heartland Institute



**Speaks Truth  
To Power Award**  
*Presented to*  
Myron Ebell  
*Sponsored by*  
The Heartland Institute



**Political Leadership on  
Climate Change Award**  
*Presented to*  
U.S. Sen. John Barrasso (R-WY)  
*Sponsored by*  
The Heritage Foundation

# CONGRATULATIONS!

## *Walter Cunningham*

Col. Walt Cunningham is a scientist and former astronaut who in 1968 flew on Apollo VII, the heroic first crew of Americans sent into space following the unfortunate Apollo I disaster. He later served as flight crew chief for the Skylab project and became a member of the Astronaut Hall of Fame. In 1977 he wrote *The All American Boys*, a candid and valuable behind-the-scenes account of America's pioneers in space.

He has served as a Marine Corp fighter pilot, entrepreneur, radio talk show host, and a co-founder of The Earth Awareness Foundation. From 2000 to 2005, he also served on the advisory board of the National Renewable Energy Laboratory. In 2010, Cunningham wrote *Global Warming Facts versus Faith: One Astronaut's Views*, published by The Heartland Institute.

In 2012, Cunningham organized a letter to NASA Administrator Charles Bolden, signed by a large group of astronauts and space program veterans, which expressed disappointment with the global warming advocacy conducted by NASA's Goddard Institute for Space Studies and called for reform.

Cunningham has traveled the world correcting the record on climate change, speaking at numerous conferences, accompanied CFACT as delegate to several UN climate gatherings, and spoken on many college campuses.



**Winner of the Dauntless  
Purveyor of Climate  
Truth Award  
Sponsored by the Committee  
For A Constructive Tomorrow**



# CONGRATULATIONS!

## *Sen. John Barrasso*

U.S. Sen. John Barrasso (R-WY) has a long and distinguished career in both medicine and public service. He is the fourth-ranking member in the Senate Republican leadership as chairman of the Senate Republican Policy Committee. In January 2017, he took over as chairman of the Senate Committee on Environment and Public Works.

Barrasso has actively opposed the overreaching environmental regulations of the Obama administration and has applauded many of President Donald Trump's attempts to correct them – including the reversal of Obama's Waters of the United States rule. He strongly supported the appointment of Scott Pruitt to head the Environmental Protection Agency and the construction of the Keystone XL and Dakota Access pipelines, and he has advocated for more public comment and congressional input on EPA rule-making.

Barrasso is known by many as Wyoming's Doctor. During his 24 years as an orthopedic surgeon, he served as president of the Wyoming Medical Society and was named Wyoming Physician of the Year.



**Winner of the Political  
Leadership on  
Climate Change Award  
Sponsored by  
The Heritage Foundation**

# CONGRATULATIONS!

## *Myron Ebell*

Myron Ebell, who led President Donald Trump's transition team for energy and environment issues, is director of energy and global warming policy at the Competitive Enterprise Institute and chair of the Cooler Heads Coalition.

Ebell's fame/notoriety has been achieved over decades of effort. In 2001, the Clean Air Trust named him its "Villain of the Month" for his role in convincing the Bush Administration not to regulate carbon dioxide emissions. In 2004, seven members of the British House of Commons from all three major parties introduced a motion to censure Ebell "in the strongest possible terms."

*Vanity Fair* magazine has been highly critical of him, and *Rolling Stone* magazine named him one of six "Misleaders" on global warming, along with President George W. Bush, Senator James Inhofe, and the late Michael Crichton. Greenpeace calls him a "climate criminal" and has circulated "wanted posters" bearing his picture.

Much more positively, the *Business Insider's Green Sheet* in July 2009 identified Ebell among the Ten Most-Respected Global Warming Skeptics, third behind only Professor Freeman Dyson and Dr. Björn Lomborg. And with this award, The Heartland Institute recognizes him as one of the world's bravest advocates for sound science in the climate change debate.



**Winner of the Speaks Truth  
To Power Award  
Sponsored by  
The Heartland Institute**

## CONGRATULATIONS!

# *J. Scott Armstrong, Ph.D.*

J. Scott Armstrong has been doing research on forecasting for nearly half a century. Time and again, he has carefully – and courageously – applied sound principles of forecasting to the climate change debate.

Armstrong and his colleagues reported the Intergovernmental Panel on Climate Change (IPCC) “violated 81% of the 89 relevant forecasting principles,” and they found government forecasters studying polar bears “followed fewer than one-sixth of the relevant principles of scientific forecasting.”

A decade ago, in June 2007, Armstrong famously challenged former Vice President Al Gore to a \$10,000 bet, with Armstrong suggesting he could forecast temperature change more accurately than any climate model Gore might nominate. Gore cordially refused.

In April 2011 Armstrong testified before a congressional subcommittee calling on Congress to cease funding all global warming research, programs, and advocacy organizations, telling the subcommittee, “The global warming alarm is not based on what *has* happened, but on what *will* happen. In other words, it is a forecasting problem. And it is a very complex problem.”



**Winner of the Lifetime  
Achievement Award  
Sponsored by  
The Heartland Institute**

# The Pro-Energy, Pro-Environment, and Pro-Jobs Commitment

Support policies that protect the environment *and* create jobs and prosperity.

Affordable, reliable, and plentiful energy enables us to protect the environment while also creating jobs and the goods and services we need. Expensive and unreliable energy, like the kind produced by ethanol and commercial wind and solar companies, destroys jobs and harms the environment.

Fossil fuels are the foundation of economic growth and prosperity. Taxing them or making them more scarce causes economic growth to slow, makes food and other essential goods more expensive, and many of the good things we take for granted are lost.

We owe it to future generations to leave the world a better place than we found it. Renewable energies don't protect the environment. They actually harm it by being less efficient and more land-intensive than fossil fuels.

## We believe:

### 1. Rein in EPA

The Environmental Protection Agency (EPA) is a rogue agency that routinely defies congressional oversight, abuses science, and imposes regulations whose costs vastly exceed their benefits. EPA needs to be reined in. *It's time to replace most of EPA with a Committee of the Whole composed of the environmental protection agencies of the 50 states.*

### 2. Repeal Global Warming Regulations

Fear of global warming (or "climate change") led to the adoption of taxes, regulations, and subsidies aimed at reducing carbon dioxide emissions. But now we know the threat of global warming was exaggerated and reducing emissions is costly and would have an insignificant impact on temperature or weather. *It's time to repeal those laws and give the American people an annual global warming "peace dividend."*

### 3. Stop Pretending to Pick Winners

Decades of subsidies to ethanol producers and wind and solar companies have cost taxpayers and consumers billions of dollars and produced no environmental benefits. *It's time to repeal all renewable power mandates and all subsidies to energy companies, whether renewable, nuclear, or fossil fuels.*

### 4. Use It, Don't Lose It

America is blessed with coal, oil, and natural gas reserves sufficient to meet our energy needs for centuries. Modern drilling and mining taps these reserves without threatening the natural environment or public health. *It's time to lift legislative obstacles to energy production and development.*

### 5. Repeal CAFE Standards

Corporate average fuel economy (CAFE) standards require car manufacturers to increase the average fuel economy of the nation's vehicles from 25 miles per gallon in 2014 to 54.5 miles per gallon by model year 2025, an impossible feat. *It's time to repeal CAFE standards and let people buy and ride the cars and trucks they want.*



## Recommendations from The Heartland Institute

# Action Plan for President Trump

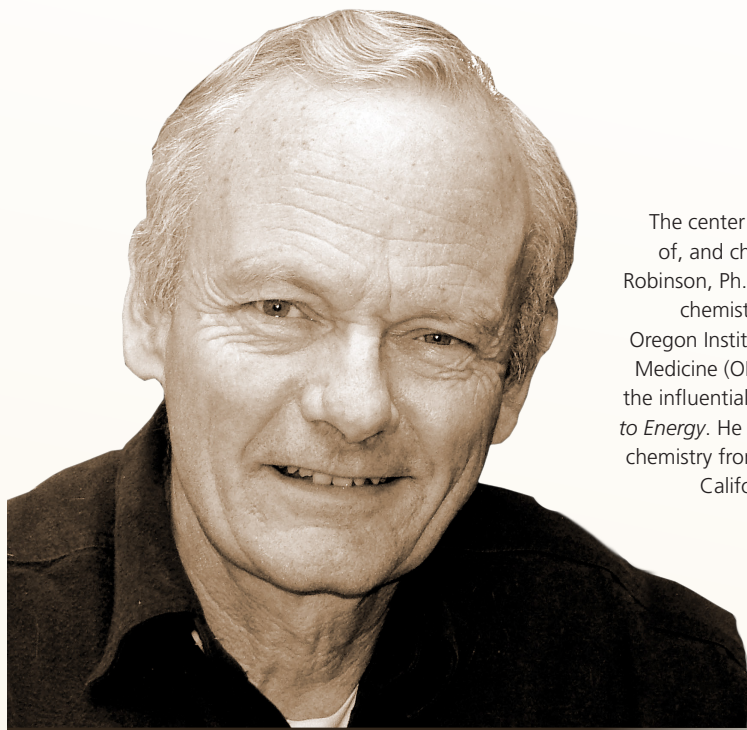
**ENERGY & ENVIRONMENT** Adopting a Pro-Environment, Pro-Energy, Pro-Jobs agenda would produce millions of jobs and billions of dollars in income while more effectively protecting the natural environment than is currently being accomplished by a massive federal bureaucracy and intrusive regulations. Specifically,



1. **CREATE** a President's Council on Climate Change charged with cutting through the politics and bias that infected climate science and policymaking during the Obama administration and advising the President on what policies to repeal and what policies to pursue.
2. **WITHDRAW** from the Framework Convention on Climate Change and the more recent Paris Accord and end funding for the United Nations' biased climate change programs, in particular the Intergovernmental Panel on Climate Change (IPCC) and Green Climate Fund.
3. **APPROVE** Keystone XL and other pipelines blocked by President Obama.
4. **REPLACE EPA** with a Committee of the Whole of the 50 state environmental protection agencies. Those agencies already have primary responsibility for implementing environmental laws.
5. **WITHDRAW** and suspend implementation of the Endangerment Finding for Greenhouse Gases and the Clean Power Plan.
6. **WITHDRAW** implementation of the Waters of the U.S. rule.
7. **ROLL BACK** unnecessary regulations on hydraulic fracturing and oil and gas exploration offshore and on federal lands.
8. **ROLL BACK** recent EPA regulations on ozone, small particles, and other air pollutants that are based on discredited epidemiology and toxicology.
9. **END** the climate profiteering in America's energy sector by ceasing billions of dollars a year in direct and indirect subsidies to wind and solar companies. Require them instead to compete with fossil fuels on a level playing field.
10. **DRAMATICALLY REDUCE** government funding of climate change research pending the findings of the new President's Council on Climate Change. When funding for such research resumes, require that equal amounts go to studying natural and manmade climate change.
11. **DRAMATICALLY REDUCE** government funding of environmental advocacy groups, including funds delivered to such groups through the "sue and settle" scam.
12. **END** the use of "secret science" by EPA and other regulatory agencies, conflicts of interest on scientific review boards, and reliance on epidemiological studies and climate models that are known to be flawed and unscientific.
13. **ROLL BACK** Corporate Average Fuel Economy (CAFE) standards, which result in the deaths of thousands of car and truck passengers every year, needlessly increase the price of new cars, and favor foreign car manufacturers.

For more information, contact The Heartland Institute at 312/377-4000 or by email at [think@heartland.org](mailto:think@heartland.org), or visit our website at [heartland.org](http://heartland.org).

## ARTHUR B. ROBINSON CENTER ON CLIMATE AND ENVIRONMENTAL POLICY



The center is named in honor of, and chaired by, Arthur B. Robinson, Ph.D., a distinguished chemist, cofounder of the Oregon Institute of Science and Medicine (OISM), and editor of the influential newsletter *Access to Energy*. He received a Ph.D. in chemistry from the University of California at San Diego.

**A**t the Arthur B. Robinson Center on Climate and Environmental Policy at The Heartland Institute, we are producing the research and conducting the effective advocacy needed to help restore sound science and common sense to efforts to protect the environment.

The Heartland Institute is a 33-year-old national nonprofit organization devoted to discovering, developing, and promoting free-market solutions to social and economic problems.

Heartland's Arthur B. Robinson Center on Climate and Environmental Policy promotes pro-energy, pro-environment, and pro-jobs policies based on sound science and economics, not alarmism or ideology.

Through events, publications, social media, and government relations programs we have changed public opinion on climate change and other environmental topics, and consequently we have helped change public policy not only in the United States but in other countries as well.

In 2017 and onward, we are focusing on winning the global warming war and repealing bad legislation and regulations adopted during the height of the global warming scare.

With your help, we can win the global warming war.

Please contact us at 312/377-4000 or [think@heartland.org](mailto:think@heartland.org), or visit our website at [www.heartland.org](http://www.heartland.org).

***“The world’s most prominent think tank supporting skepticism about man-made climate change.”\****

\* THE ECONOMIST,  
MAY 26, 2012



Notes

# About The Heartland Institute

The Heartland Institute, founded in 1984, is a 33-year-old nonprofit, nonpartisan research organization based in Chicago. It is devoted to discovering, developing, and promoting free-market solutions to social and economic problems.

The Heartland Institute contacts more elected officials, more often, than any other think tank in the United States. According to a telephone survey of 503 randomly selected state elected officials conducted by Victory Enterprises in 2016, 82 percent say they read at least one Heartland publication “sometimes” or “often.”

The nation’s most influential people — including every state and national elected official — receive at least one Heartland publication every month. Heartland also manages multiple websites and operates PolicyBot™, an online clearinghouse for the work of some 350 think tanks and advocacy groups.

Approximately 370 academics and professional economists participate in Heartland’s peer-review process, and 200 elected officials serve on its Legislative Forum. Heartland’s full-time staff of government relations professionals interacts daily with hundreds of elected officials across the country, and its public relations and media specialists help shape public opinion by writing and placing dozens of letters to the editor and opinion editorials each week.

Heartland has a full-time staff of 37 and a 2017 budget of \$6 million. It is supported by the voluntary contributions of approximately 5,300 supporters. For more information, please visit our Web site at [www.heartland.org](http://www.heartland.org), call 312/377-4000, or write to The Heartland Institute, 3939 North Wilke Road, Arlington Heights, Illinois 60004.

## FOR THE RECORD ...

The Heartland Institute often is the target of misinformation and even outright lies about its mission, funding and donors, and members and staff. For the record, The Heartland Institute is not a “front group” for the fossil fuel industry or any other interest groups: Oil, coal, and natural gas interests provide less than 5 percent of our annual budget. More than 5,000 donors, 370 academics and professional economists, and 200 elected officials endorse and actively support The Heartland Institute. For more information, go to <http://heartland.org/reply-to-critics>.



**THE HEARTLAND INSTITUTE**  
FREEDOM RISING