

14th Annual AREDAY

Protecting America's Greatness:
The Business of Innovation, Climate
Leadership and Resilient Communities
2017

SUMMIT
IMPACT FILM
EXPO!
OUTDOOR CONCERT
AREDAY ELECTRIC
COMMUNITY CONVERSATIONS



american renewable energy
INSTITUTE





“If all the questions which can come before this nation, short of the actual preservation of its existence, there is none which compares in importance with the great central task of leaving this land even a better land for our descendants than it is for us.”

— President Theodore Roosevelt



Since 2004 bringing leaders and educators together to promote the rapid implementation of renewable energy and energy efficient strategies as practical solutions to the climate crisis through presentation, demonstration, performance, film and dialogue.

PROTECTING AMERICA'S GREATNESS:

The Business of Innovation, Climate Leadership and Resilient Communities

Rising Up to Keep America Great

WELCOME TO AREDAY 2017. Thank you for being present at the Summit during a time of unprecedented change and historical importance – a time like no other country in the world has experienced. Never before has a clarion call to collaborate and scale global solutions to climate change been answered so unanimously. Regardless of a new political landscape, large-scale investment in clean and renewable energy, aggressive emission reduction policies, and local and state initiatives must persist. The 'resistance movement' is a rebellion - for renewing our pledge to a clean, healthy and unpolluted world that will support the magnificent diversity of life on this planet we call 'Home'.

Through a lengthy and thorough 30-year process by the UN - starting with the 1987 Montreal Protocol, then the 1988 establishment of the IPCC, the 1992 Framework Convention on Climate Change, the Declaration of the Precautionary Principle, the World Charter for Nature and the Kyoto Protocol - the Paris Accord was finally agreed upon by 193 countries in December 2015. Every word - every comma - took enormous energy and deliberation of thousands of global advisors, scientists, citizen activists, NGO's, Heads of State, and the official Delegates. The Paris Accord is aspirational, not punitive, calling on countries to voluntarily set and implement their goals for emissions reduction, which they wholly embraced.

When the President sent a signal demonstrating an unmistakable and dangerous lack of comprehension of our responsibility to the world community and of climate change science, America's leadership and credibility took a global hit. To state he is willing to "re-negotiate" so the Paris Agreement does not harm US workers, the economy or give unfair competitive advantage to other countries over America, is a highly reckless application of the math and turns a deaf ear to the world's leaders and to the pleas of sinking Island Nations. He has chosen instead to listen to one or two political advisors who clearly have other agendas.

Wise leaders took counsel in the warnings of science and Mother Nature's protests expressed by more frequent, violent, and costly weather events, droughts, and floods. The withdrawal of the United States from the historical Paris Climate Accord activated the agreement's four-year exit provision. However, that announcement also catalyzed an even more dynamic and aggressive playing field to emerge.

This is good news! In a time when jobs in solar far exceed those in coal, and reducing emissions is no longer a choice but a necessity, renewable energy presents the greatest opportunity to provide environmental solution and economic growth. America's resilience, resourcefulness, pioneering and innovative spirit has taken up the gauntlet. At the writing of this letter, over 1,200 governors, cities and businesses have signed a letter, "We are Still In," pledging to advance their emissions reduction to match or go beyond the Paris Accord. Multi-national corporations including Apple, Google, Staples, Autodesk and even Exxon Mobile want to uphold the agreement. Entrepreneurs vow to move even more quickly on innovations and investors are hovering, anticipating opportunities. There is an estimated \$1.4 trillion market about to be unleashed.

With non-existent leadership at the Federal level, the implementation of the Paris Accord is now a 'bottom up' mobilization of the American people. Community resilience, innovation, cooperation and collaboration will be the driving force. The local call to action is more urgent than ever before. The time is NOW for communities to step up and take the ball back into their own hands. As a result of this activated grassroots resolve, a political framework with integrated climate change solutions will become the national agenda.

We the People will protect America's greatness!

For the Future,



Chip Comins

Founder & Chairman, AREI



Sally A. Ranney

Co-Founder & President, AREI



SOLUTION-ORIENTED ACTION BASED FILMS



FRIDAY, JUNE 23RD

ROCKY MOUNTAIN WOLF PROJECT | 12:00

CANIS LUPUS COLORADO (18 min) MEET THE REAL WOLF (3 min)

Director: Tom Winston

The Rocky Mountain Wolf Project aims to improve public understanding of gray wolf behavior, ecology, and options for re-establishing the species in CO.

NOBODY'S HOME | 12:45

The Sopris Foundation, Laurel Garrett & Greg Poschman (15 min)

A Documentary on the Loss of Local Residents in Resort Communities

RACING EXTINCTION | 1:15

Director: Louie Psihoyos (1 hr 34 min)

A documentary that follows undercover activists trying to stave off a man-made mass extinction.

TIDEWATER | 3:00

Director: Roger Sorkin (42 min)

Tidewater, explores the project's namesake, the Tidewater region of Virginia and North Carolina, encompassing Hampton Roads, arguably the region whose vulnerability most affects our overall national security.

GREEN WORLD RISING SERIES | 4:00

CARBON, LAST HOURS, GREEN WORLD RISING, RESTORATION

Director: Leila Conners (10 min shorts)

The series is narrated by Leonardo DiCaprio, presented by Thom Hartmann and directed by Leila Conners. Executive Producers are George DiCaprio, Earl Katz and Roee Sharon Peled, and produced by Mathew Schmid.

BIOMIMICRY | 4:45

Director: Leila Conners (22 min)

Featuring Janine Benyus and brought to you by Leonardo DiCaprio, this film covers how mimicking nature solves some of our most pressing problems, from reducing carbon emissions to saving water.

YOUNG VOICES FOR THE PLANET SERIES | 5:15

SAVE TOMORROW, PLANT FOR THE PLANET, DREAMING IN GREEN

Director: Lynne Cherry (5 min shorts)

The mission of the series is to limit the magnitude of climate change and its impacts by empowering children and youth, through uplifting and inspiring success stories, to take an essential role in informing their communities.

THE AGE OF CONSEQUENCES | 6:00

Director: Jared P. Scott (1 hr 20 min)

Produced by Sophie Robinson, the film investigates the impacts of climate change, resource scarcity, migration, and conflict through the lens of US national security and global stability.

HOW WE GROW | 7:30

Directors: Haley Thompson & Tomas Zuccareno (12 min)

A film about ambitious young farmers, ranchers and chefs building community around locally grown food in the Roaring Fork Valley of Western Colorado.

IMPACT FILM 2017

Fri, June 23rd & Sat, June 24th

Starting at 12pm

Snowmass Village Town Hall

FREE AND OPEN TO THE PUBLIC

*Q&A with Directors and Producers following the films

SATURDAY, JUNE 24TH

CHASING CORAL | 12:00

Director: Jeff Orlowski (1 hr 33 min)

Coral reefs around the world are vanishing at an unprecedented rate. A team of divers, photographers and scientists set out on a thrilling ocean adventure to discover why and to reveal the underwater mystery to the world.

POWER | 2:00

Director: Michèle Ohayon (35 min)

Shot across 5 continents with stunning visuals, personal human stories and insights from leading energy executives, government ministers, and entrepreneurs, POWER tackles the ambitious questions and complex geopolitics surrounding the energy industry today.

KISS THE GROUND SHORT FILMS | 2:45

THE SOIL STORY (4 min) THE COMPOST STORY (7 min)

Co-Founders: Finian Makepeace & Ryland Engelhart

Healthy soil can balance the climate: it's a story that must be told, a global conversation about the importance of soil health, the possibility of regenerative agriculture to balance our climate, and how interconnected we are to nature's cycles.

WILDWAYS: CORRIDORS OF LIFE | 3:15

Director: James Brundige (56 min)

Wildways follows scientists and conservationists, from Yellowstone to the Serengeti, who are trying some innovative solutions to make room for wildlife — tracking them and trying to cut new paths that could help them thrive again.

WE THE PEOPLE 2.0 | 4:15

Director: Leila Conners (1 hr 30 min)

American citizens who are normally marginalized, forgotten and left to fend against toxic dumps and other violations, come to understand that the only way to survive is to frontally challenge the oligarchy that has destroyed democracy in the United States.

BEFORE THE FLOOD | 6:00

Director: Fisher Stevens (1 hr 30 min)

Produced by Leonardo DiCaprio, the film looks at how climate change affects our environment and what society can do to prevent the demise of endangered species, ecosystems and native communities across the planet.

PROTECTING AMERICA'S GREATNESS:

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Monday, June 19

Grand Ballroom, Viceroy Hotel

Morning Session - Reclaiming Democracy, Communicating Climate and Creating A New Narrative

Morning Host - **Tara Sheahan** *Conscious Global Leadership*

7:00 am **Registration and Continental Breakfast**

8:00 am **Welcoming Remarks**

Chip Comins *AREI*

Sally Ranney *AREI*

8:15 am **Blessings and Reflections**

Scott Red Horse Barta *GrandMotherEarth.US Global Water Protector Campaign*

8:25 am **Opening Keynote Address**

Present in the Future of Now

Introduction: Marjorie Layden *Salzberg Global Seminar & AREI*

Sally Ranney *AREI*

8:45 am **Panel Discussion**

The Framework and Tools to Heal a Divided America and Reconstruct Democracy

Moderator: Mathew Schmid *Tree Media*

Bill Becker *Presidential Climate Action Plan*

John Powers *Alliance for Sustainable Colorado*

9:15 am **Keynote Address**

Keeping Hope Alive: Climate in the Trump Era

Eric Pooley *Environmental Defense Fund*

9:30 am **Panel Discussion**

New Ideas in Green Conservatism: Clean Capitalist Acceleration

Moderator: Kris Mayes *Julie Ann Wrigley Global Institute of Sustainability*

Rob Sisson *ConservAmerica*

Rod Richardson *Grace Richardson Fund*

Matthew Patsky *Trillium Asset Management*

10:00 am **Keynote Address**

Getting the Public to Act and Vote on Climate

David Fenton *Fenton Communications*

10:15 am **Panel Discussion**

Overcoming Alternative Facts and Fake News: Climate Change, Energy and the Environment

Moderator: Todd Woody *News Deeply*

Ruarai McKenna *Care2*

Laughlin Artz *2020 or Bust*

10:45 am **Keynote Address**

The Time to Act is Now: Doubling Down on Climate Leadership

Daniel Kreeger *Association for Climate Change Officers*

11:00 am **Panel Discussion**

Creatively Changing Climate Perceptions through Media, Film and the Arts

Moderator: Michael Cain *EARTHx Films*

Jon Bowermaster *Oceans 8 Films*

Susan Israel *Climate Creatives*

Mark David *OTG Productions*

Carlotta Mast *New Hope Media*

11:45 am **Keynote Address**

Co-Creating a Climate Narrative In and Through Culture

Maggie Fox *Alliance for Climate Protection*

12:00 pm **Armchair Conversation**

How Can the Backward Slide Take Us Forward?

Andrea Yodsampa *DEPLOY/US*

Bob Perkowitz *ecoAmerica*

12:15 pm **Armchair Conversation**

Crypto Currency: Can the Blockchain Transform Finance?

Patrick Furlotti *Projects for Change & Global Mana*

Nick Gogerty *SolarCoin*

Afternoon Session - Big Innovation + Big Investment = Big Change

Afternoon Host - **Scott Red Horse Barta** *GrandMotherEarth.US Global Water Protector Campaign*

12:30 pm **Break for Lunch**

1:00 pm **Luncheon Keynote Address**

The New Green Conservatives

Chip Comins *AREI*

Trammell Crow *EARTHx*

1:30 pm **Lunch Break Wrap-Up**

1:45 pm **Armchair Conversation**

\$5 Trillion: Divest to Reinvest

Moderator: Chip Comins *AREI*

Tom Van Dyck *RBC Wealth Management*

Ellen Dorsey *Wallace Global Fund*

2:15 pm **Keynote Address**

Renewable Energy, Finance and Public Utilities

Jeffrey Ackermann *CO Public Utility Commission*

2:30 pm **Panel Discussion**

Shareholder to Stakeholder: Financing a Sustainable Future

Moderator: Tom Van Dyck *RBC Wealth Management*

Jim Farrell *CC3/C*

Ellen Dorsey *Wallace Global Fund*

Hanieh Sadat *ImpactX Circle*

3:00 pm **Keynote Address**

Financing the Regenerative Economy

Hunter Lovins *Natural Capitalism Solutions*

- 3:15 pm Panel Discussion**
Finance Mechanisms for Conservation of the World's Forests
 Moderator: Sally Ranney AREI
 Brett Byers *Million Acre Pledge*
 Sally Jewell Cox *Bonobo Conservation Initiative*
 Harris Sherman *Forest Trends*
 Rod Richardson *Grace Richardson Fund*
- 4:00 pm Keynote Address**
One Road One Path: Institutional Investing for a Global Clean Energy Economy
 John Rhee *Stratis Private Equity Asia*
- 4:15 pm Panel Discussion**
Accelerating CleanTech Investment
 Moderator: Joel Surface *Catalyze*
 Mark Nichols *Seaspire Investments*
 Nathaniel Gorence *Advanced Research Projects Agency - Energy*
 Ryan Kushner *Elemental Excelsior*
- 4:45 pm Panel Discussion**
Reframing the Research Investment Discussion: Democratizing Investing in Humanity, Nature and Carbon
 Moderator: Bill Brandt *ASU LightWorks*
 Matthew Patsky *Trillium Asset Management*
 Ellen Stechel *ASU LightWorks*
 Noah Deich *Center for Carbon Removal*
 Michael Ferguson *S&P Global*
- 5:30 pm Keynote Address**
Financing Carbon Negative Technologies
 Graciela Chichilnisky *Global Thermostat*
- 5:45 pm Closing Remarks**
 Chip Comins AREI
 Sally Ranney AREI

Monday Evening Program

Grand Ballroom, Viceroy Hotel

- 7:30 pm Film Screening**
Age of Consequences (1hr 20m)
 Director: Jared P. Scott
 Introduction: Sherri Goodman *Wilson Center*



“Let us never forget that government is ourselves and not an alien power over us. The ultimate rulers of our democracy are not a President and senators and congressmen and government officials, but the voters of this country.”
 — Franklin D. Roosevelt

Tuesday, June 20

Grand Ballroom, Viceroy Hotel

Morning Session - National Security, Policy and Action

Morning Host - **Eva Leung** *Terra Cura*

- 7:00 am Continental Breakfast**
- 8:00 am Opening Remarks**
 Chip Comins AREI
 Sally Ranney AREI
- 8:15 am Keynote Address**
Countdown: The World is Running Out of Water
 Lester Brown *Worldwatch & Earth Policy Institute*
- 8:45 am Panel Discussion**
The Impact of Renewable Energy on National Security Policy
 Moderator: Gen. Wesley Clark *Growth Energy*
 Sherri Goodman *Wilson Center*
 Jon Powers *Clean Capital*
 Andrea Yodsampa *DEPLOY/US*
- 9:30 am Keynote Address**
Cyber Resilience and Energy Security
 Erfan Ibrahim *NREL*
- 9:45 am Keynote Address**
COP21 Terrorism and Resiliency
 John Quigley *Spectral Q*
- 10:00 am Keynote Conversation**
Wildlife Protection Solutions
 Sue Thompson *Wildlife Protection Solutions*
 Dave Weidner *Wildlife Protection Solutions*
- 10:15 am Panel Discussion**
Then and Now: Public Land Policy in the West
 Moderator: Sally Ranney AREI
 Jerry Mallett *American Wildlands*
 Harris Sherman *Arnold & Porter LLP*
 Varushka Franceschi *Shapeshift Dream Productions*
- 10:45 am Keynote Address**
Derailment: The Story of the Bakken Crude Spill
 Arlene Burns *Mayor of Mosier, OR*
- 11:00 am Armchair Conversation**
Implications of National Politics on State and Regional Clean Energy and Climate Action
 Pete Maysmith *Conservation Colorado*
 Jon Goldin-Dubois *Western Resource Advocates*
- 11:30 am Keynote Address**
Climate Muscle in the Music Industry
 Adam Gardner *REVERB*
- 11:45 am Keynote Address**
Avatar XPRIZE
 Harry Kloor *XPRIZE*

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Afternoon Session - The Alchemy of Carbon: Transforming, Economies and Taxes

Afternoon Host - **Geoff Greenfield** *Third Sun Solar*

12:00 pm **Break for Lunch**

12:30 pm **Luncheon Performance**

President Teddy Roosevelt: Remarks and Observations
on Life, Politics and Conservation

Don Moon *Character Actor*

Followed by Armchair Conversation

with Sally Ranney *AREI*

1:00 pm **Lunch Break Wrap-Up**

1:15 pm **Keynote Address**

The Alchemy of Carbon

Jim White *Institute of Arctic and Alpine Research*

1:30 pm **Armchair Conversation**

Carbon Majors

Chip Comins *AREI*

Rick Heede *Climate Accountability Institute*

1:45 pm **Panel Discussion**

Delivering the Zero Carbon Economy at Scale

Moderator: Bill Brandt *ASU LightWorks*

Noah Deich *Center for Carbon Removal*

Jeff Erikson *Global CCS Institute*

Klaus Lackner *Center for Negative Carbon Emissions*

2:30 pm **Armchair Conversation**

CCS Tech: Economic, Safe and Reliable?

Klaus Lackner *Center for Negative Carbon Emissions*

Chrisoph Gebald *ClimeWorks*

3:00 pm **Armchair Conversation**

**Pricing Carbon: Driving the Economics of
Emissions Reduction**

Moderator: Chip Comins *AREI*

Richard Eidlin *ASB Council*

Catrina Rorke *R Street Institute*

3:30 pm **Keynote Address**

Happy Birthday Clean Tax Cuts (CTC)!

One Year and Eight Charrettes Older (& Wiser)

Rod Richardson *Grace Richardson Fund*

3:45 pm **Panel Discussion**

**Simple, Practical, High-Impact: New CTC Proposals
and the Race Ahead to Clean Capitalism**

Moderator: Rod Richardson *Grace Richardson Fund*

Hutch Hutchinson *Rocky Mountain Institute*

Travis Johnson *ASU LightWorks*

Travis Holland *Anadarko Petroleum Corporation*

Aaron Berger *Nexus Working Group on Climate Change*

4:30 pm **Panel Discussion**

Moving One Step In: Oil and Gas Best Practices

Moderator: Wiley Rhodes *One Step In*

Frederick Lemond *The Lemond Consortium, LLC*

Zane Rhodes *Flash Gas Control, LLC*

Travis Holland *Anadarko Petroleum Corporation*

5:15 pm **Closing Remarks**

Chip Comins *AREI*

Sally Ranney *AREI*

Tuesday Evening Program

7:00 pm **AREI Networking Reception**

The Nest Restaurant, Viceroy Hotel

Appetizers and Cash Bar



Wednesday, June 21

Grand Ballroom, Viceroy Hotel

Morning Session - The Essential Shift:

100% Renewables By 2050

Morning Host - **Janice Hall** *Natural Network International*

7:00 am **Continental Breakfast**

7:55 am **Welcoming Remarks**

Chip Comins *AREI*

8:00 am **Armchair Conversation**

The Solar Breakthrough

Geoff Greenfield *Third Sun Solar*

Kyle Sundman *Oak Leaf Energy Partner*

8:15 am **Keynote Address**

Making Solar Affordable and Accessible for Americans

Adam Browning *Vote Solar*

8:30 am **Panel Discussion**

**Innovative, Multiple-Value Solar Technology Anywhere
and Everywhere**

Moderator: Peter Stricker *P4P Energy*

David Hofstatter *P4P Energy*

Steven Cogner *P4P Energy*

9:00 am **Keynote Address**

Solar on the March in China

Huang Ming *Himin Solar*

9:30 am **Armchair Conversation**

Build Wind Turbines, Not Walls

Moderator: Larry Flowers *G4 Wind LLC*

Sheldon Greene *Oak Creek Energy*

Dan Fesenmeyer *Renewable Power Generation Sales, GE Energy*

10:00 am **Keynote Address**
Ramping up Hydro: Innovative Hydrokinetic Technologies
 Jerome Ringo *Zoetic Global*

10:15 am **Panel Discussion**
The Transportation Transition
 Moderator: Matthew Shmigelsky *CLEER & Refuel Colorado*
 Ken Losch *ZHRO*
 Ryan Popple *Proterra*
 Hutch Hutchinson *Rocky Mountain Institute*
 Mona Newton *CORE*

11:00 am **Panel Discussion**
Closing the Chasm to Clean Energy Adoption
 Moderator: John Powers *Alliance for Sustainable Colorado*
 Sandra Vanderstoep *Alliance for Sustainable Colorado*
 Peter May-Ostendorp *Xergy Consulting*
 Derek Cowburn *LumenCache*
 Rick Whisman *EnSync Energy Systems*

11:45 am **Armchair Conversation**
Creating a New Narrative
 Moderator: David Orr *Oberlin College*
 Hunter Lovins *Natural Capitalism Solutions*
 John Powers *Alliance for Sustainable Colorado*

Afternoon Session - Restoring the Balance Through Conscious Resilience

Afternoon Host - **Michael Fuller** *P4P*

12:15 pm **Break for Lunch**

12:45 pm **Luncheon Armchair Conversation & Presentation**
Restoring the Balance: Bringing Back the Wolves
 Mike Phillips *Turner Endangered Species Fund*
 Tom Winston *Grizzly Creek Films*

Film Screening
Meet the Real Wolf (2.5m)
Wolf Project "Vision" Film (1.5m)

1:15 pm **Lunch Break Wrap-Up**

1:30 pm **Keynote Address**
State of the Oceans: Where We Are and What Must Be Achieved in Ocean Health
 Carl Gustaf Lundin *IUCN*

1:45 pm **Panel Discussion**
New Territory for Philanthropy: Transformative Investment
 Moderator: Sally Ranney *AREI*
 Julie Ann Wrigley *Julie Ann Wrigley Foundation*
 Keith Tuffley *The B Team*
 Henk Rogers *Blue Planet Foundation*
 Amanda Ellis *East-West Center*

2:30 pm **Keynote Address**
Using Ocean Plastic to Solve Global Poverty, and How YOU Can Help
 David Katz *Plastic Bank*

2:45 pm **Panel Discussion**
Transformative Impact in the Developing World
 Moderator: Jonathan Voss *Lake Research Partners*
 Robbie Lavia *Dakia Global*
 Soledad Mills *Equitable Origin, Inc.*
 Michael Conroy *Equitable Origin, Inc.*
 Ami Dalal *FINCA*

3:30 pm **Keynote Address**
Global Warming and Restoring Life on Earth: The Good, the Bad and the Ugly
 Adam Sacks *Biodiversity for a Livable Climate*

3:45 pm **Panel Discussion**
Women Rising
 Moderator: Amanda Ellis *East-West Center*
 Osprey Orielle Lake *Women's Earth and Climate Action Network*
 Anita Sanchez *Pachamama Alliance*
 Aria McKenna *Global Cooling Project*
 Katie Hoffman *Resco LLC*

4:30 pm **Keynote Address**
The Biggest Trial of Our Century: Suing the Federal Government to Protect Future Generations
 Philip Gregory *Cotchett, Pitre & McCarthy*

4:45 pm **Panel Discussion**
The Rights of Nature: Indigenous Wisdom and Sustainable Technologies
 Moderator: Daniel Shaw *Aspen Center for Environmental Studies*
 Anita Sanchez *Pachamama Alliance*
 Osprey Orielle Lake *Women's Earth and Climate Action Network*

5:15 pm **Keynote Address**
The Role of Subnational Leadership In the Age of Trump
 Dan Lashof *NextGen Climate*

5:30 pm **Panel Discussion**
Taking the Lead: Sustainable Cities are Serious Business
 Moderator: Amanda Ravenhill *Buckminster Fuller Institute*
 John R. Seydel *City of Atlanta*
 David Orr *Oberlin College*
 Michael Grove *Sasaki Associates*
 Roger Sorkin *American Resilience Project*

6:15 pm **Closing Remarks**
 Chip Comins *AREI*
 Sally Ranney *AREI*

"Change is the law of life. And those who look only to the past or present are certain to miss the future."

— John F. Kennedy

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Wednesday Evening Program

6:30 pm **Sierra Club and Vote Solar Hosted Reception**

Ricards Restaurant in Base Village
110 Carriage Way, Suite 3106
(5 min. walk or ask front desk for shuttle)
Remarks by Michael Brune and Adam Browning
with a signature cocktail from Marble Distilling Co.

Arctic Presentations

8:00 pm Keith Tuffley *The B Team*

8:15 pm Douglas Stoup *Ice Axe Expeditions*

8:30 pm Kerry Koepping *Institute of Arctic and Alpine Research*

8:45 pm **Panel Discussion**

Challengers Tell the Story: Climate Change and Ice

Moderator: Jim White *Institute of Arctic and Alpine Research*

Keith Tuffley *The B Team*

Douglas Stoup *Ice Axe Expeditions*

Kerry Koepping *Institute of Arctic and Alpine Research*



Thursday, June 22

Grand Ballroom, Viceroy Hotel

Morning Session - The Water/ Energy Nexus Accelerating Into The Future

Morning Host - **Joanie Klar Bruce** *Media Producer*

7:00 am **Continental Breakfast**

7:55 am **Welcoming Remarks**

Chip Comins *AREI*

Sally Ranney *AREI*

8:00 am **Opening Keynote Address**

Globalization, Climate Change, and the End of Poverty

Jeffrey Sachs *Earth Institute, Columbia University*

8:30 am **Keynote Address**

Oceans Are on High Alert Status

Gregory Stone *Conservation International*

9:00 am **Panel Discussion**

Every Breath You Take, Two of Three, Come From The Sea

Moderator: Samantha Joye *University of Georgia*

Louie Psihoyos *Oceanic Preservation Society*

Albert Slap *Coastal Risk Consulting, LLC*

Britt Basel *Ecothropic*

Michelle Ridgway *Alaska Deep Ocean Science Institute*

9:45 am **Keynote Address**

The World's Fresh Water Dilemma and Solutions

Jon Freedman *GE Water & Process Technologies*

10:00 am **Armchair Conversation**

Headwaters at Home

Moderator: Jerry Mallet *American Wildlands*

Eric Kuhn *Colorado River District*

Bob Irvin *American Rivers*

10:30 am **Keynote Address**

Climate Reality

Mario Molina *Climate Reality Project*

10:45 am **Panel Discussion**

Accelerating Into the Future

Moderator: Katie Hoffman *Resco LLC*

Sandra Kwak *10Power*

Ryan Kushner *Elemental Excelsior*

Amanda Ravenhill *Buckminster Fuller Institute*

Paul Miller *DJ Spooky*

11:30 am **Keynote Address**

The United Nations Foundation: Principles and Priorities in a Rapidly Changing World

Susan Myers *United Nations Foundation*

11:45 am **Keynote Address**

Grid Resilience Through Renewable Energy

Commissioner Tim Echols *Georgia Public Service Commission*

In 1903 when **President Teddy Roosevelt** and **Naturalist John Muir** hiked and camped in the great Yosemite Valley a long tradition of preserving America's Wilderness along with the Sierra Club was born. The most famed, and most unusual, camping trip in U.S. history is called the "three most important days in the life of conservation in America." Not only did Roosevelt resolve to protect Yosemite—he would go on to sign into existence five more national parks, 18 national monuments, 55 national bird sanctuaries and wildlife refuges and 150 national forests, but he also set the course for the Antiquities Act signed into law in 1906 and the Organic Act signed into law by President Wilson in 1916 creating the National Parks Service.



***"We are not building this country for a day.
It is to last through the ages."***

— President Theodore Roosevelt

The American Renewable Energy Institute presents

BROTHERS KEEPER WITH JOHN POPPER

2017

JUNE 22 | 5:45 PM | SNOWMASS VILLAGE MALL



Featuring special guests

GUITARIST DWIGHT F. FERREN

DJ SPOOKY: A BEATLES "SGT PEPPERS"
50TH ANNIVERSARY TRIBUTE

REMARKS FROM MICHAEL BRUNE, SIERRA CLUB EXECUTIVE DIRECTOR



CONCERT IS FREE AND OPEN TO THE PUBLIC

FOR MORE INFORMATION VISIT WWW.AREIDAY.NET

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PROTECTING AMERICA'S GREATNESS:

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Afternoon Session - Nature Needs Half: Regenerative Strategies and Whole Systems Problem Solving

Afternoon Host - **Kyle Sundman** *Oak Leaf Energy Partner*

12:00 pm **Break for Lunch**

12:30 pm **Luncheon Armchair Conversation**

Women's Leadership in the 21st Century: Stabilizing Influence, Place and Gender Equality in Global Issues

Sally Ranney *AREI*

Pat Mitchell *Sundance Institute*

1:00 pm **Lunch Break Wrap-Up**

1:15 pm **Armchair Conversation**

Systems Thinking: How to Fill the Climate Literacy Gap

Moderator: Chip Comins *AREI*

Monica Brett *Security and Sustainability Forum*

Ed Saltzberg *Security and Sustainability Forum*

1:45 pm **Keynote Address**

Does America's Climate Literacy Equate to America's Climate Risks?

Anthony Leiserowitz *Yale Program on Climate Change Communication*

2:00 pm **Panel Discussion**

Regenerative Agriculture: Feed the World & Reverse Climate Change

Moderator: Tim LaSalle *Natural Products Expo West*

Larry Kopald *The Carbon Underground*

Alison Burchell *NTS Group Research Collaborative*

Daniela Howell *Savory Center*

John W. Roulac *Nutiva*

2:45 pm **Panel Discussion**

Solving Climate Change from the Ground Up

Moderator: Michael Bowman *Nat'l Hemp Association*

Jerome Osentowski *Central Rocky Mountain Permaculture Institute*

Brook LeVan *Sustainable Settings*

Bill Reed *Regenesis Group*

Mynoo Maryel *PoEM*

3:30 pm **Keynote Conversation**

Nature Needs Half

Steve Michelson *Lobitos Creek Ranch*

James Brundige *First Light Films*

3:45 pm **Panel Discussion**

Global Collaborative: Connecting the Dots

Moderator: Chip Comins *AREI*

Henry Elkus *HELENA*

Samuel Feinburg *HELENA*

Luka Powanga *Energy Africa Conference*

4:30 pm **Keynote Address**

Activating the Masses, Implementing Solutions

Michael Brune *Sierra Club*

4:45 pm **Final Closing Remarks**

Chip Comins & Sally Ranney *AREI*

Thursday Evening Program

Fanny Hill, Snowmass Village Mall

5:45 pm **Dwight F. Ferren - Guitarist**

6:15 pm **DJ Spooky: The Beatles' 'Sgt Pepper at 50' Tribute**

6:30 pm **Remarks from Michael Brune**

Sierra Club Executive Director

6:45 pm **Brothers Keeper with John Popper**

FREE on Fanny Hill, End of Snowmass Village
on Snowmass Mountain

OF SPECIAL NOTE:



Book Signings & Sales

In Salon A



Complimentary Yoga/Meditation Classes

offered by Aspen Shakti Shala

Tuesday, Wednesday & Thursday at 7-7:45am

On the terrace outside of Salon A

Friday & Saturday at 10am

On the Fanny Hill Stage



Stop by The Energy Confessional Mobile Art Installation

Climate + Art + Community = Action!

In Salon A



Award Presentations

Innovation Leadership Award: Huang Ming

Lifetime Achievement Award: Lester Brown

Millennial Leadership Award: John R. Seydel

Best Creative Film Works: Louie Psihoyos

Sustainability Leadership Award: Jeffrey Sachs

Sustainability Education Award: Julie Ann Wrigley



IN MEMORY OF

Chief Dave Bald Eagle (1919-2016)

Lakota Traditional Elder and "Nacha" who stood for all life on Mother Earth to be held sacred, honored and kept in Nature's balance.

May your spirit roam free with the ancestors.

Aho Mitakuye Oyasin (all my relations)



Jeffrey Ackermann was appointed **Chairman of the Colorado Public Utilities Commission (PUC)** effective January 2017 by Gov. John Hickenlooper. His four-year term expires in January 2021. Prior to his appointment, Ackermann served as Executive Director of the Colorado Energy Office (CEO). Under his leadership, CEO made significant strides in improving innovative production and efficient consumption of Colorado's energy resources. He has more than three decades of experience in state government and the energy sector. Previous to his CEO appointment, Ackermann led the research efforts at the PUC, focusing on issues ranging from electric system planning to the regulatory implications of emerging technologies. He also served as an advisor to the commissioners on energy efficiency (demand-side management). Ackermann earned a bachelor's degree from Albion College and a master's degree in nonprofit management from Regis University.



Laughlin Artz is the **Executive Director of "2020 or Bust,"** a nonprofit mobilizing the world to end the climate crisis through collective, individual action. Artz has been a leader and innovator for over two decades in the fields of cultural transformation and contextual activism. He brings a unique approach in empowering management and teams within large corporations and international organizations, successfully realizing unreasonable commitments and visionary projects. He leads global public seminars for thousands of people at a firm dedicated to personal and professional growth, training, and development. Artz is also a management consultant, transformational educator, filmmaker, and founder of Context News.



Scott Barta is **Founder of GrandMotherEarth.us Global Water Protector Campaign.** At just ten years old Barta, an Indigenous DaNakota Ho Chunk, was an activist for Grandmother Earth. 'My vision is to have everyone love Grandmother Earth as I do. And the way we are brought up in our traditional understandings is to thank Rock and Water, Sun and Moon, everything that gives us life. They are our relatives. And we take care of them because they take care of us.' Barta is also the founder of WhereBisonRoam.com, restoring the health of the Great Plains through the reintroduction of bison and other species. He teaches Indigenous wisdom, wellness and Oyate Omniciye, 'Men and Women Gathered in a Circle,' ancient governing and true democracy, and Circle Facilitation.



Britt Basel, **Founder of Ecotrophic**, is a socio-environmental applied scientist, educator, and visual storyteller. With experience in 39 countries, specializing in Melanesia, Cuba, and Mexico, she assists subsistence-based communities to tackle the challenges of climate and global change. She works with traditional villages that depend on local marine resources and agriculture for survival and well-being. Basel emphasizes ridge-to-reef community-driven resource management that supports adaptation and reduces disaster risk, while simultaneously improving food/water security, livelihoods, gender equality, social cohesion, and the integrity of local ecosystems. She has worked with a range of organizations from the United Nations Development Program to *National Geographic*. She has an M.S. in Human Dimensions of Natural Resources Agroecology and Climate Change Adaptation, an M.S. in Conservation Leadership, and a B.A. in Anthropology.

Currently, Basel is working on her climate adaptation film, *Bae Yumi Stori*, engaging village youth with traditional knowledge.



Bill Becker is **Executive Director of the Presidential Climate Action Project**, now in its 10th year of developing energy and climate policies that the President of the United States can implement without Congress. Becker is a senior advisor at Natural Capitalism Solutions, a consultant for the Center of the New Energy Economy at Colorado State University and a guest blogger on *Huffington Post*. He serves on the Board of Directors of the Alliance for Sustainable Colorado, on the Editorial Board of the *Solutions Journal*, and on Mikhail Gorbachev's International Climate Change Task Force.



Aaron Berger is **Co-Chairman for the NEXUS Working Group on Energy Innovation and Environment**, and International Advisor for U.S. Climate Plan. He is a research scientist specializing in pattern recognition, domestic and foreign current events, and technology trends under the lens of existential risk. Berger's core belief is that there is always a solution. He serves as a strategic advisor to individuals and organizations interested in finding important solutions to their difficult problems. In his effort to help others see a more systemic perspective, his research methods break down problems into their foundational elements; the analysis of which yields new angles and novel solutions.



Jon Bowermaster is a **six-time grantee of the National Geographic Expeditions Council and an award-winning writer and filmmaker.** Bowermaster was recently named one of a dozen Ocean Heroes by the National Geographic Society. His websites and blogs (www.jonbowermaster.com, www.oceans8films.com) continue his reporting on the world's coastlines and the people who live along them. Author of twelve books, he is also the writer, director and producer of twenty documentary films, most recently *Antarctica 3D*, *On the Edge*, *Sink or Swim*, *Learning the Crawl in the Maldives*, *After the Spill*, *Louisiana Water Stories Part II*, *The Hudson, River At Risk*, *Dear Governor Brown* and *Paradise Is There*, a collaboration with partner Natalie Merchant. *Dear President Obama*, *The Clean Energy Revolution Is Now*, produced with and narrated by actor/advocate Mark Ruffalo, premiered in March 2016. Bowermaster lives in New York's Hudson Valley.



Michael Bowman is **Chairman of the Board of the National Hemp Association**, a Colorado-based nonprofit dedicated to the re-legalization of industrial hemp. He is a White House Champion of Change, served as Co-Chair of Governor-elect Bill Ritter's Energy Transition Team, and is an advisor to The Savory Institute, a global network focused on grasslands and carbon-farming. He is a founding board member of the Sustainable Biodiesel Alliance, '25x'25' and The Colorado Farm-to-Cafeteria Workgroup. A fifth-generation native Coloradan, who grew up on his family ranching operation in Eastern Colorado, Bowman's adult life is focused on the nexus of rural job creation, resource conservation, sustainability and environmental markets for American agricultural producers.



Bill Brandt is Director of Strategic Integration for ASU Lightworks and is an experienced energy executive. After a 30-year career at SOHIO/BP he retired as Director of Mergers and Acquisitions joining Arizona State University to work on renewable energy challenges. As Director of Strategic Integration of ASU LightWorks for Arizona State University's incubator and accelerator for renewable energy technologies, he works across interdisciplinary research programs with national laboratories and major corporations to deliver renewable energy products. Brandt has a B.S. in Chemistry and Environmental Sciences from Principia College and an MBA from Wharton. He is a board member of the social networking communications company, Educated Change, and a producer of renewable liquid fuels from wood biomass and agricultural residues. Find him on Twitter @wrbrandt and energy leadership thinking on LinkedIn www.linkedin.com/in/bill2brandt.



Monica Brett is Sustainability and Resilient Communities Consultant for the Security and Sustainability Forum. The main thread that links all of Brett's work is a commitment to effective decision making through education. Her journey began in 1992 when she noticed the disconnect between science and policy during the Rio Earth Summit. Her solution was to use systems thinking to explain the consequences of action and/or inaction to both policy makers and scientists. Her focus on education and training in this area lead her to work for multiple international donor agencies and ultimately the United Nations. Brett is now a determined advocate for climate and energy literacy. From helping to create academic and conservation NGO partnerships like the Cambridge Conservation Forum to a community college AAS degree in Sustainable Construction Technology, she sees the link between climate literacy, informed decision-making and smart policy.



Lester Brown, the Founder and former President of Earth Policy Institute, is described by the *Washington Post* as "One of the world's most influential thinkers." During a career that started with tomato farming, Brown has been awarded 25 honorary degrees and has authored or co-authored over 50 books. One of the world's most widely published authors, with books translated into some 40 languages, Brown's most recent offering is titled *The Great Transition: Shifting from Fossil Fuels to Solar and Wind Energy*. In 1986, the Library of Congress requested his personal papers, noting that his writings and work had "already strongly affected thinking about problems of world population and resources." In 2016, Rutgers University, his alma mater, dedicated the Lester R. Brown Reading Room.



Adam Browning is the Co-Founder and Executive Director of Vote Solar, a non-profit advocacy organization with the mission of bringing solar energy into the mainstream. Vote Solar was founded in 2002, and since then has been working on implementing pro-solar policies at the state level, with the goal of jumpstarting the national transition to renewable energy. Vote Solar's headquarters is in Oakland, California, with 18 advocates in offices around the country to advance solar markets. Prior to Vote Solar, Browning spent eight years with the U.S. Environmental Protection Agency's San Francisco office, where he won the Agency's top pollution prevention award for developing a program that reduced air emissions of mercury.

Browning received a BA with Distinction from Swarthmore College in 1992, and served with the Peace Corps in Guinea-Bissau, West Africa.



James Brundige, Filmmaker for First Light Films, has worked on numerous television shows for PBS, BBC, TBS, Discovery, ABC, CBS, NBC, and National Geographic Television over the past 40 years. Originally shooting tales of extreme expeditions, he has spent the past two decades bringing compelling conservation stories to a broad audience. His company, First Light Films, has produced environmental films from the Amazon Jungle to Mt. Everest, from the South Pole to the high Arctic. With a firm foundation in science, First Light Films strives to capture and communicate the work of conservation heroes committed to preserving our natural heritage for future generations.



Michael Brune has been Executive Director of the Sierra Club since 2010 and is one of today's most inspiring and effective environmental leaders. Prior to joining the Sierra Club, Brune led Rainforest Action Network for seven years. Under Brune's leadership, the Sierra Club has grown to more than two million supporters and is at the forefront of the drive to move beyond fossil fuels to clean energy while also protecting America's remaining wild places. A nationally recognized writer, speaker, and commentator on energy and environmental issues, Brune offered a detailed vision for a true clean-energy future in his acclaimed book, *Coming Clean: Breaking America's Addiction to Oil and Coal* (2010). He holds degrees in economics and finance from West Chester University in Pennsylvania.



Alison Burchell is a professional geologist and Co-Founder of the NTS Group Research Collaborative. Following a Fellowship with the US Geological Survey, she established a consulting practice in crustal processes, reclamation, renewable energy project siting and hazards assessment. Her current research is focused on the natural terrestrial processes of carbon sink formation and bio-geo-mimicry approaches to reclamation. NTS partners include: USGS, EPA, State agencies, university research centers, NGOs and the private sector. Burchell practices a collaborative approach in assisting property owner's transition to regenerative land-use practices and supporting communities, businesses, NGO's, stakeholder groups and government agencies in achieving their renewable energy and environmental objectives. She holds a dual B.S. in Chemistry and Environmental Planning and graduate degrees in Geochemistry and Volcanology.



Arlene Burns serves as Mayor of Mosier, Oregon, where a unit-train of Bakken Crude derailed in 2016. Since then, she leads her community and region in fighting fossil fuel infrastructure development. With roots as a world-class kayaker and expedition leader, she was based in the Himalayas for a decade also guiding extensively in Asia, Siberia and South America. In 1993, she was Meryl Streep's role model, trainer and double on *The River Wild*. She has worked as a photojournalist, outdoor industry consultant, and in many aspects of film. She has been on-camera for ESPN, PBS and NBC, and directed film festivals such as Telluride Mountain Film and Blue Ocean Film Festival, Monterey. When not serving as Mayor, she keeps her hands in film production and guiding custom private international explorations.



Brett Byers is Managing Director of Partner Ventures and led venture capital investing for VCFA Group for over a decade. He made several cleantech venture investments, including in DIRT and ChargePoint. Byers was involved in the technology industry as a senior executive, corporate attorney and engineer. Byers holds a J.D. from Yale Law School and a B.S. in Electrical Engineering from Cornell University. He has a strong interest in using forestry to combat climate change. He is the founding pledger of the Million Acre Pledge. Byers co-authored a peer-reviewed paper in *Nature Climate Change* demonstrating how tropical forest conservation and restoration could provide up to 50% of the CO2 net emissions reductions over the crucial 50 years.



Michael Cain is Founder and President of EARTHx Film and is Co-Founder and President of M3 Films (M3), which focuses on the production of "Movies with a Mission" including Sundance Special Jury Prize, *TV JUNKIE*. He received a Masters in Fine Arts: Producing from the American Film Institute (AFI). His career and passions successfully weave within for-profit/nonprofit ventures. Cain produced 20+ feature-length films, 30+ commercials/music videos, and is a Founder of the Filmanthropy Fund at the Dallas Foundation. He founded the nonprofit, Arts Fighting Cancer (AFC). In 2006, Cain co-founded the Dallas Film Society and the Dallas International Film Festival, serving in multiple roles including Founding Artistic Director, CEO, President and Chairman of the Board. In 2013, Cain joined forces with Trammell S. Crow and Earth Day Dallas to grow the festival into a larger state-wide event, Earth Day Texas.



Graciela Chichilnisky, Ph.D. is Co-Founder and Managing Director of Global Thermostat. With Ph.D.s in Mathematics and Economics she studied at MIT and UC Berkeley and is Professor at Columbia University, and Visiting Professor at Stanford University. The author of the *Carbon Market of the United Nations Kyoto Protocol* that became international law in 2005 she created the concept of "Basic Needs," which the 1993 United Nations Earth Summit voted the cornerstone of Sustainable Development and the formal theory of Sustainable Development used worldwide today. Called an "A-List Star" by the *Washington Post*, she appeared in the 2009 *Time Magazine* on "Heroes of the Environment," served as a U.S. Lead Author on the Intergovernmental Panel on Climate Change, and as special adviser to several United Nations organizations, heads of State, and the U.S. Congress and was selected "2015 CEO of the Year."



General Wesley K. Clark is Co-Chair of Growth Energy, former NATO Supreme Allied Commander, serves as Chairman and CEO of Wesley K. Clark & Associates, Senior fellow at UCLA's Burkle Center, Advisor at the Blackstone Group, Trustee of International Crisis Group, Founding Chair of City Year Little Rock/North Little Rock, and serves on numerous corporate boards. General Clark has authored four books and is a founding member of the Clinton Global Initiative. Clark retired as a four star general after 38 years in the United States Army. He graduated first in his class at West Point and completed degrees at Oxford University as a Rhodes Scholar. His awards include the Presidential Medal of Freedom, Defense Distinguished Service Medal, Silver Star, Bronze Star, Purple Heart and honorary knighthoods from the British and Dutch governments.



Chip Comins is Chairman and CEO of the American Renewable Energy Institute, (AREI, Inc.) and Founder of AREDAY Summit, AREDAY ELECTRIC, EXPO! and IMPACT FILM. He is President of American Spirit Productions, Managing Director of W Energy, LLC. and Managing Partner S&C Capital, LLC. He has produced and directed both long and short form documentary films for educational and broadcast television markets, including PBS, Link TV, BET and Discovery Networks. He is Associate Producer of the 2015 feature documentary *Racing Extinction*. A long-time advocate implementing renewable energy to reduce green house gas emissions and climate change, Comins advocates a business approach to solving the climate crisis. In 2009 he produced 13 official side events at the UNFCCC COP15 in Copenhagen and presented at COP16 in Cancun in 2010, COP21 Paris in 2015 and COP22 Marrakech in 2016.



Steven Conger Co-Founded P4P with his wife Mary Catherine. He is Chairman of the Board of P4P Holdings, Manager of P4P Energy, and P4P Energy's Chief Design Officer. At P4P he has developed approximately 50 patents, primarily in solar PV that is supported by cable tension structures. His 25-year architectural history includes being named in the AD 100 - Architectural Digest's guide to 100 distinguished architects of the world. Conger was an architect for the award winning Inn of the Anasazi in Santa Fe, NM. Additionally he was an architect of St. Benedict's Monastery in Snowmass, CO (winner of the prestigious AIA national award for religious architecture). Conger graduated Magna Cum Laude with a B.F.A. from Amherst College. His Masters Degree came from the Yale Architecture School in 1979.



Dr. Michael E. Conroy, Ph.D. is the Board Chair of Equitable Origin, a young US-based nonprofit that has developed the only complete standard and certification system for social and environmental accountability in the global energy development industry, including both fossil fuels and renewable energy. He is a retired academic economist (Texas, Yale, and Oxford) who, for the past 25 years, has been at the forefront of the movement to build certification systems that encourage and reward corporate accountability in a wide range of industries, from global forestry and mining, tourism and ecotourism, to agricultural Fair Trade. He is the author of *Branded! How the 'Certification Revolution' Is Transforming Global Corporations*, a book adjudged "one of the two best books on Business Ethics published in English in 2007."



Jerry Cope is a producer, filmmaker and activist. Working at the intersection of filmed and live cultural events and advocacy, Cope has worked with numerous organizations, including the Annenberg Foundation and Morgan Freeman's Rock River Foundation, producing films, video, music and other artist events, to raise awareness and funds for the most pressing environmental and humanitarian issues of our day. Cope is a frequent contributor to the *Huffington Post*. Cope's work has been featured in numerous documentary films and on Democracy Now, MSNBC, CBS, ABC, CNN, and Al Jazeera. Cope's latest project for Friends of the Earth and the United Nations Foundation has him joining forces with music's heavy hitters to help fight climate change, with the song "Love Song To The Earth" now available on iTunes.



Derek Cowburn is Founder and CEO of **LumenCache, Inc.** Cowburn is a values-centered entrepreneur who is passionate about the environment and making bold leaps in energy efficiency through system integration. He is a subject matter expert in building controls and intelligent DC Nanogrids, and contributes to industry working groups to promote efficient building technologies. At LumenCache, he is leading the collaborative effort to globally change the standard for power distribution in buildings making them smart, safe, efficient, and resilient.



Sally Jewell Cox is Founder and President of **Bonobo Conservation Initiative (BCI)**. She is known by the people of the Democratic Republic of the Congo as "Mama Bonobo." She has worked tirelessly to unite, motivate and empower the Congolese government, NGOs and communities to protect bonobos and their habitats. Cox oversees surveys and conservation efforts, which has resulted in agreements to protect over 12,000 square miles of Congo's rainforests that are key to the survival of bonobos. She has spoken widely about bonobo conservation and the importance of traditional knowledge. Her work has been instrumental in raising awareness throughout the world. Prior to dedicating her life to bonobo conservation, she was a writer for the National Geographic Society. She is a Phi Beta Kappa graduate in psychology from Williams College.



Trammell S. Crow is President of the **Crow Family Foundation**, which operates and manages The Trammell and Margaret Crow Collection of Asian Art. Prior, Crow began his career as a warehouse-leasing agent in Denver before transferring to Houston to develop residential subdivisions and lease retail space. Returning to Dallas, he joined the development team of the Anatole Hotel, worked at the Dallas Market Center, and by 1985, he had developed the Dallas Communications Complex, the Studios at Las Colinas, INFOMART and the Dallas/Fort Worth Teleport. From 1986 to 1993, Crow was the CEO of Trammell Crow International, overseeing the Brussels International Trade Mart. He is a long-term supporter of the Texas Conservation Alliance, the Nature Conservancy of Texas, Log Cabin Republicans, and the League of Conservation Voters.



Ami Dalal, Vice President of Social Enterprise Innovation, is leading **FINCA International's** endeavor to build upon its global microfinance network to unlock the potential of innovative clean energy and clean cooking solutions for those that live with incomes of less than \$5 a day. FINCA supports sustainable and scalable social enterprises through the provision of strategic support and capital with a particular focus on renewable energy. Dalal is a seasoned investor with nearly 20 years of principal investing experience in a range of sectors including impact investing, consumer products, infrastructure and real estate. Most recently, she was strategic adviser to Ashoka's Social Finance Services initiative, leading a search in innovative financial mechanisms to accelerate financing for social impact. Prior to Ashoka, Dalal oversaw global post-investment management at the Acumen Fund. Dalal has also worked at Macquarie Capital and began her career at The JBG Companies.



Mark David is a Producer and Co-Founder of **OTG Productions**. He is a film producer and real estate developer. He received his MBA from the Harvard Business School and his B.A. with honors in Economics from Harvard College. David also serves on the Board of the Brooklyn Charter School.



Noah Deich is the Executive Director of the **Center for Carbon Removal**, a non-partisan, non-profit organization working to clean up carbon from the air by supporting solutions in the forestry, agriculture, and technology sectors. Deich is also a visiting scholar at the University of California, Berkeley's Energy and Climate Institute. Deich received his MBA from the Haas School of Business at UC Berkeley and his B.A. from the University of Virginia.



Ellen Dorsey is Executive Director of the **Wallace Global Fund**, a private foundation focused on progressive social change. The Fund is recognized for creative philanthropic strategies and mission-related investing, including its early support for the global fossil fuel divestment movement. Dorsey was awarded the 2016 inaugural Nelson Mandela - Graca Machel Brave Philanthropy Award for launching Divest-Invest Philanthropy. Dorsey previously directed the Rachel Carson Institute, the Human Rights and Environment program at Amnesty International, and was senior environmental program officer in the Heinz Endowments. She is on the board of Greenpeace USA and served as chair of the board of Amnesty International USA. Dorsey holds a doctorate in political science, held a Fulbright Research Fellowship in South Africa during that country's historic transformation, and has written extensively on effective strategies of NGOs. Dorsey is co-author of *New Rights Advocacy*, Georgetown University Press.



Tim G. Echols was elected to the **Georgia Public Service Commission** in November 2010 after spending 15 years in the non-profit sector. He founded "TeenPact" and grew the mock legislative youth program to 38 states in his tenure and continues to serve on the Board of Directors. He focuses on consumer protection, clean energy, and accountability. He created the Clean Energy Roadshow, now entering its 7th year, which travels Georgia helping cities, businesses and consumers evaluate alternative fuel that works best for them. Echols's priority is helping Georgia be prepared for rising energy prices for diversifying the way our electricity is generated. He and his wife Windy have seven children. Echols has a B.A. and two Masters Degrees from the University of Georgia making him a triple dog.

"Let us never forget that government is ourselves and not an alien power over us. The ultimate rulers of our democracy are not a President and senators and congressmen and government officials, but the voters of this country."

— Franklin D. Roosevelt



Richard Eidlin is Co-Founder and Vice President of Policy for the American Sustainable Business Council (ASBC). He

spends time on Capitol Hill, the White House and with regulatory agencies. From 2005 to 2009, Eidlin served as the Business Outreach Director for The Apollo Alliance. He worked in the solar energy industry for ten years advocating

for state legislation and regulations to create new markets. He consulted to the UN Environment Programme engaging major corporations on sustainable development programs. Eidlin co-directed the Colorado chapter of the Clean Tech for the Obama campaign, and advised Gov. Bill Ritter on renewable energy issues during his gubernatorial campaign. He is an adjunct faculty member at the University of Denver.



Henry Elkus is the Founder and CEO of Helena. The organization brings together some of the world's brightest minds across generations and fields addressing meaningful issues philanthropically.

Helena's members include Fortune 500 execs, Nobel Laureates, activists, explorers, technologists, linguists and more. Elkus serves as Social Entrepreneur in Residence at

The Boston Consulting Group. He is Special Advisor to the Berggruen Institute, and a founding member of the Visionaries Team designing the forthcoming ANA Limitless Travel Avatar XPRIZE. Elkus is a contributor and panelist for the Wall Street Journal's online small business panel. Prior to 2014, Elkus was COO and Director of Philanthropy at Unlimited Ltd. Clothing. He attended Stanford University's online high school while competing internationally as a ski racer. He left Yale University after two years to operate Helena full time.



Amanda Ellis is Special Advisor for International Programs and Partnerships in the Office of the President at the East West Center, Hawaii. She was most recently New Zealand

Ambassador to the United Nations in Geneva and Prime Minister's Special Envoy, playing a key role in New Zealand's successful UN Security Council bid. Previously, Ellis led the New Zealand Aid program as well as innovative collaborative partnerships, including the Pacific Energy initiative to support Island leaders to meet their renewable energy goals and the first ever development partnership between China and an OECD country. Ellis has worked in senior roles at the World Bank, the IFC and Westpac Banking Corporation (Australia). She is the author of two bestselling Random House business books and five titles in the World Bank Directions in Development series.



Jeff Erikson is General Manager at Global CCS Institute. He joined the Institute in January 2016. Prior to that, Erikson was Director of Global

Projects at the Carbon War Room, an international non-governmental organization and think tank working on issues regarding market-based solutions to climate change.

Erikson served as Senior Vice President at SustainAbility, a global think tank and strategic advisory firm. He spent 14 years at Mobil Oil and ExxonMobil Corporation, where he was responsible for projects and programs in multiple engineering specialties and across a broad range of environmental, health and safety issues. Erikson holds a Bachelor of Science in civil engineering from Bucknell University and is a professional engineer.



James Farrell is Co-Founder of Climate Change Investigation, Innovation and Investment Company, LLC (CC3IC). He is a

successful entrepreneur with a background in engineering and business. He co-founded CC3IC with Emma Farr Rawlings to search for, invest in and guide breakthrough innovations to stop man's contribution to climate change.

Farrell founded f'real Foods and has a B.S. and M.S. in Engineering from Cornell and an MBA from Harvard. CC3IC focuses on breakthrough energy sources at the edge of non-carbon energy science. Current non-carbon energy sources - solar, wind, are not enough to turn the CO2 tide. CC3IC's search for new non-carbon energy breakthroughs to invest in is driven by this simple, inescapable fact.



Sam Feinburg is the Executive Director of Helena. The organization brings together some of the world's brightest minds to address

meaningful issues philanthropically. Helena's members include Fortune 500 execs, Nobel Laureates, activists, explorers, technologists, and linguists. Currently, Helena is awarding a multi-million dollar climate change prize,

working with RAND to research artificial intelligence, deploying a tool to increase youth voter engagement, and more. A former World Champion public speaker and debater, Feinburg serves as Social Entrepreneur in Residence at The Boston Consulting Group, and was a founding member of the Visionaries Team designing the forthcoming ANA Limitless Travel Avatar XPRIZE. Before Helena, Feinburg partnered with VC firms to co-found the Devise Company, a consultancy and mentorship network offering services to college startups across the Ivy League.



David Fenton is Chairman of Fenton Communications, the agency he founded in 1982 to create communications campaigns for the

environment, public health and human rights. Fenton leads the agency's Climate practice, while also contributing to NGO, foundation, government and corporate responsibility clients. The *National Journal* called Fenton "the Robin Hood

of public relations," while *PR Week* named him "one of the 100 most influential PR people." Some of his best-known campaigns include aiding the rise of MoveOn.org, stimulating organic food sales, a decade representing Nelson Mandela and the African National Congress, saving swordfish from extinction with top chefs, running Yoko Ono's campaign which successfully stopped fracking in New York, working with Al Gore and the United Nations on climate change, and public health campaigns against tobacco and toxic chemicals.



Michael Ferguson is a Director in the U.S. Energy Infrastructure group at S&P Global Ratings in New York City. He works

on the merchant power and midstream energy team, covering a portfolio of project financed power plants, infrastructure assets, and independent power producers.

Much of his thought leadership research revolves around environmental regulation and energy policy. Ferguson joined S&P Global Ratings in December 2011. Previously, he worked as a forensic accounting consultant with FTI Consulting in Washington, DC. He worked on a wide array of cases, ranging from stock option backdating and revenue recognition to embezzlement and ponzi schemes.



Dan Fesenmeyer, Account Manager for Renewable Power Generation Sales, GE Energy, is a diversified sales leader in wind energy and power generation. Since 2010, he has been responsible for GE's Renewables and wind turbine sales in the Mountain West Region by working with wind developers and utilities to develop wind generation projects. Dan joined

GE in 2003 as Global Commercial Finance manager for GE Power & Water, where he led a team that supported the global sales organization with financial structuring, negotiation support and management of its annual operating plan. Prior to joining GE, Dan was at the Southern Company. Dan received his MBA from Duke University and B.A. in Economics from Providence College. He lives in Evergreen, Colorado with his wife and three boys.



Larry Flowers is currently Principal of G4 Wind LLC, where he focuses on state wind conferences, wind outreach, and education. Previously, he served as Deputy Director of Community and Distributed Wind for the American Wind Energy Association (AWEA). Prior to AWEA, he spent 30 years at the National Renewable Energy Laboratory (NREL). As

National Technical Director of Wind Powering America, he established state wind working groups, created the Wind for Schools programs, developed high resolution wind resource maps, and established a wind-water-nexus initiative. Prior to WPA, he led programs and projects in international village power, hybrid energy systems, building sciences, thermal systems, and industrial applications. Flowers has degrees in metallurgical engineering and materials science from Lehigh University and an executive MBA from University of Denver.



Maggie L. Fox is a consultant serving organizations, communities, foundations and other philanthropic endeavors in their efforts to develop and implement climate change and clean energy strategies. She is past President and CEO of the Climate Reality Project (501c3) and the Climate Action Fund (501c4), nonprofit organizations with campaigns in the U.S. and

around the world that engage, empower and assist citizens to become leaders driving global change. Along with Vice President Al Gore, she has led multi-day trainings for thousands of climate leaders in locations as diverse as Beijing, Jakarta, Istanbul, Johannesburg as well as San Francisco, Nashville and Chicago in the United States. She and her husband, Mark Udall, live in Eldorado Canyon, Colorado. They have two children.



Varushka Franceschi founded Shapeshift Dream Productions (SDP) a film and media communications company that creates artistic and persuasive issue campaigns. SDP's mission is to influence a global vision of the future using film arts, digital and traditional media enabling a profound shift in perception as

we grapple with many serious topics including the state of journalism, women's issues, climate change, ethics and the rapidly changing state of the world. Franceschi sits on three non-profit arts and environmental boards. Along with years of study and practice in the visual arts, she studied screenwriting in New York and then began workshopping scenes for her current project, the film *A Crack in Everything* with professional talent including James Cromwell. For the last several years she has traveled to fracking communities across the US to understand both sides of the gas extraction debate.



Jon Freedman is the Global Partnerships and Government Affairs Leader for GE Water and Process Technologies. He serves as Co-Chair of the WaterReuse Association's Industrial Reuse Committee and served on the organization's Board of Directors. He teaches a class at the University of Pennsylvania called "The Future of Water." Freedman

serves on the advisory committee of The Wharton School's Institute for Global Environmental Leadership and on the US Department of Commerce's Environmental Technologies Trade Advisory Committee. He joined GE in 2001 and has served as a Director for GE's Corporate Marketing Initiatives Group. Freedman holds a B.A. from the University of Virginia, a law degree from William & Mary, and an MBA in finance from The Wharton School of the University of Pennsylvania.



Michael B. Fuller, AIA is the Principal Architect at Michael Fuller Architects. He is known for the ability to bring elegance and harmony to his designs while maintaining a career-long commitment to environmental sustainability. He's been responsible for the design/construction of commercial, residential and hotel projects, project development and land planning for real estate

development for 20 years. He designed the first LEED residence in Colorado, the first straw bale house in Aspen, and co-designed the award-winning Inn of the Anasazi. He's received numerous recognitions: the AIA Architectural Design Award, multiple 'Home of the Year' awards, the Architectural 100, and named to Western Interior's "Gold List," *Mountain Living's* "Best of the West," with projects featured in *Architectural Digest*, *Conde Nast Traveler* and on the Discovery Channel.



Patrick Furlotti is CEO and Founder of Projects for Good and President of Global Mana Foundation. Furlotti cultivates solutions to issues of our social and environmental impact. He has directed and produced numerous environmental documentaries showcasing both the beauty and devastations of our planet. His visual narratives tell the story of global interconnections

and the urgent need for change. His interviews with international leaders and indigenous healers amplify a global perspective that promotes ecological responsibility, cultural inclusion and a revolution in consumer ethics. Furlotti identifies and directs projects that deepen our connection to the environment and the lives of others. When you work for a cause you are the effect. Furlotti injects dynamic law into his activism: he has swam rivers and oceans from Hawai'i and Tahiti to Thailand raising millions for environmental causes.



Adam Gardner is Co-Executive Director of REVERB, a non-profit amplifying the environmental movement by harnessing the power of live music. He is also frontman for the band Guster. REVERB partners with major musicians, festivals and venues to green concert events while mobilizing millions of fans to take individual actions that add up to real change. Since 2004, REVERB's

programs and staff have been folded into 200 major tours (Dave Matthews Band, Maroon 5, Jack Johnson, Alabama Shakes, Zac Brown Band, John Mayer, etc.) eliminating the use of over 2 MILLION single use plastic water bottles, kept over 240 MILLION pounds of CO2 from the air, fueled touring fleets with 900,000 gallons of biodiesel, supported over 4500 environmental groups across the country and have reached over 27 million music fans face-to-face at concerts.



Christoph Gebald is the Co-Founder of Climeworks AG and serves as its Director. Gebald has more than 3 years experience in CO2 capture from air. Moreover, he gathered business experience as an executive board member of ETH juniors. At Climeworks, Gebald is leading the joint product development project together with ETH Zurich and Empa.

He holds an MSc in Mechanical Engineering with distinction from ETH Zurich. Within his graduate studies at ETH and the University of California Berkeley, he studied heat and mass transfer and the thermodynamics of chemical engineering.



Nick Gogerty is the Co-Founder of Solarcoin. He is a financial and technology expert who invented the Solarcoin global solar energy reward system based on low carbon blockchain technology. Solarcoin is now distributed in 30 countries, is fully convertible into major world currencies and trades 24/7. He has advised the UNEP, UNDP, UNFCCC and G20 on blockchain technology and green finance. Gogerty has worked for some of the world's largest banks and hedge funds and published *The Nature of Value* for Columbia University in New York where he guest lectures in the Executive MBA program in the value investing program. He currently serves as Sr. Advisor to Solarcoin and as Chief Strategist for the Lykke exchange based in Switzerland.

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Jon Goldin-Dubois is President of Western Resource Advocates and has been an innovator within the nonprofit community for almost 30 years. His career spans several disciplines, including environmental, conservation and energy issues, government reform and accountability, and youth and international development. Since joining Western Resource

Advocates as President in 2014, Goldin-Dubois' focus has been in three primary areas. This includes building resources to achieve WRA's vision of a carbon-free economy by 2050, a healthy Colorado River that flows to the sea, and a west where half of landscapes are protected to support thriving, diverse species and our natural and cultural heritage; strategic engagement on WRA's conservation priorities, including working with decision-makers, stakeholders and partners; and working with WRA's Board of Directors to strengthen governance and ensure the long-term health and effectiveness of the organization.



Sherri Goodman is a Senior Fellow at the Woodrow Wilson International Center and at CNA. A public policy leader, executive and lawyer, she most recently served as the President and CEO of the Consortium for Ocean Leadership. Goodman was Senior Vice President and General Counsel of CNA where she was the Founder and Executive Director of the CNA Military

Advisory Board, whose landmark reports include *National Security and the Threat of Climate Change* (2007), and *National Security and the Accelerating Risks of Climate Change* (2014). The film *The Age of Consequences*, in which Goodman is featured, is based on the work of the CNA Military Advisory Board. Goodman served as the first Deputy Undersecretary of Defense (Environmental Security) from 1993-2001 as well as on the staff of the Senate Armed Services Committee.



Nate Gorence currently serves as a Technology-to-Market Advisor at the Advanced Research Projects Agency – Energy (ARPA-E), a semiautonomous arm of the Department of Energy that invests \$300 million a year in high risk but potentially transformational energy technologies. Gorence has spent the last decade working to bring clean energy technologies to

market. He assists leading technology innovators as they prepare breakthrough energy technologies for transition from the lab to the market. Gorence manages the commercialization activities for an \$80+ million technology investment portfolio and leads private sector investor outreach for the Agency's entire investment portfolio. Previously, Nate served as the Associate Director for Energy at a leading think tank in Washington, DC and began his career at a large software firm. He holds a MBA from Yale University and an A.B. from Dartmouth College.



Sheldon Greene is Executive Vice President and Director of Oak Creek Energy Systems, a wind energy developer. Greene has been engaged in wind energy for 30 years. Oak Creek initiated a 1550 MW multi-phase project in Southern California and is now developing projects in Mexico. Greene serves on the advisory board of the Great Lakes Energy Institute at

Case Western Reserve University, and was a member of the Obama energy policy team. A lawyer, Greene has a background in high impact public interest litigation. Greene is also the author of six novels.



Geoff Greenfield is President of Third Sun Solar. He received a B.S. in Political Science from Miami University and a Master's in International Development with a focus on project administration from Ohio University. He was a member of the inaugural North American Board of Certified Energy Practitioners (NABCEP) certification in 2003 and successfully renewed his credentials

in 2006 and in 2009. Before entering the renewable energy sector, Greenfield's background included affordable housing development, nonprofit management and business administration. He is proud to have served in the U.S. Peace Corps, building water systems in Central Africa. Greenfield is a sought after public speaker, a consultant to investment firms in the clean technology sector, and lives in a solar and wind powered home.



Philip Gregory is a Partner with Cotchett, Pitre & McCarthy, LLP in Burlingame, CA. The *Washington Post* headline says it all: "Trump could face the 'biggest trial of the century' - over climate change." In 2015, Phil Gregory and his team sued the federal government under the Constitution and the Public Trust Doctrine. His plaintiffs are 21 kids. Gregory's case

asserts our government is not properly acting to protect our environment for young people and future generations. On November 10, the federal court in Eugene, Oregon determined the case could proceed. Now, the 21 plaintiffs, who range in age from 9-20, are preparing for trial in what is believed to be a turning point in constitutional history. Some experts say its outcome could rewrite the future of climate policy in the United States. Among other honors, Gregory is a Fellow with the International Academy of Trial Lawyers.



Michael Grove is a Principal at Sasaki, a global design firm with offices in Boston and Shanghai. Trained as a landscape architect and urban designer, he plays a leading role in the firm's international practice, focusing on the evolution of urban environments in Asia and offering insight into the region's unprecedented transformation. Grove collaborates with clients to formulate design solutions that balance development imperatives with environmental and cultural influences, creating ideas that contribute to the health of both people and the environment. This integrated approach balances development needs with an understanding of ecological and social systems. Grove is a graduate of Cornell University, and is a member of the American Society of Landscape Architects, the American Planning Association, and the Urban Land Institute. His work has been recognized with numerous professional awards.



Janice Hall has been President of Natural Network International (NNI) since 1991, a business development, marketing and trends forecasting company, specializing in market intelligence, branding and strategic management. Hall has decades of pioneering experience with natural health, organic, environment and sustainability policy, issues and products.

Additional expertise includes environmental sciences, climate change and supply chain issues, as well as critical land and energy conservation issues. Previously she served as Director of International Development and Associate Group Publisher for New Hope Network, the international communications leader in the natural products industry. Key leadership for international events spanning three continents includes, the Natural Products Expos, the Citizens Summit at the 1992 Earth Summit in Rio de Janeiro, Mayors for Peace, UN events. Hall consults with the American Renewable Energy Institute (AREI) for Business Development & Strategic Partnerships, and is on the Board of the Environmental Education Fund.



Richard Heede is principal investigator of Climate Accountability Institute's disruptive "Carbon Majors" project that forensically traces climate change to the largest corporations that extract and market carbon fuels worldwide. The initial work was published in *Climatic Change* in 2013 with a lead story in *The Guardian*. Heede has analyzed potential emissions

from oil, gas, and coal companies' proven reserves vis-à-vis the remaining carbon budget. He is modeling the temperature and sea level rise attributable to major carbon producers, and is investigating how a responsible oil and gas company can align production and investment with the $\leq 2^{\circ}\text{C}$ pathway of the Paris Accord. CAI was founded in 2011 to provide the scientific basis for leveraging climate stewardship by oil, gas, and coal producers. Heede published his thesis *A Geography of Carbon* with NCAR in 1984.



Katie Hoffman is the Co-Founder and CEO of Resco, LLC, a firm that accelerates investment opportunities for climate innovation. Hoffman played an integral role in passing policies that influenced the University of California, CalPERs and CalSTRs to shift billions of dollars toward sustainable investment. She was a managing partner at Etho Capital, a financial services company focused on building sustainable ETFs and other investment products, and an Entrepreneur in Residence at the California Clean Energy

Fund, where she explored investment opportunities to accelerate the shift to 100% clean energy. Hoffman currently sits as co-chair of the Nexus Global Energy Innovation and Environment Group and is a founding member of Finance the Future, where she directs initiatives focused on climate finance.



David Hofstatter is Executive Chairman of P4P Energy. He is a serial entrepreneur with 30 years experience ranging from ideation to IPO and beyond. In 2012, he co-founded www.tanglelab.com, a social enterprise incubator operating in Santa Barbara, Aspen and Montreal, providing active impact investment and mentorship to a number of projects and organizations

focused on collective intelligence approaches to innovation at the ecosystem, platform, and application level. His projects are highly collaborative across core technology, software and physical infrastructures and tap into the rich impact and financial rewards of regenerative whole systems. He is joyfully living in service to moving capital into sustainable and life-affirming for-profit solutions that mirror the deepest inspiration of their fully conscious and awake creators.



Travis Holland is a Certified Public Accountant and Accounting Advisor at Anadarko Petroleum Corporation. Anadarko is

among the world's largest independent oil and natural gas exploration and production companies. Currently Holland co-chairs Tax Committees for Colorado Oil & Gas Association and Colorado Petroleum Association. He regularly provides analysis for proposed tax legislation and has testified before various legislative committees. His responsibilities at Anadarko include property tax compliance for the Company's Colorado and Utah assets covering >8,000 wells and significant midstream facilities. Holland serves as Treasurer for Colorado's for Responsible Energy Development; Protecting Colorado's Environment, Economy and Energy Independence; and DenverWorks – a nonprofit that equips and places marginal job applicants. A native Oklahoman, Holland holds bachelor degrees in Business Administration and Music from Oklahoma Baptist University.



Robert "Hutch" Hutchinson, MBA is a Senior Fellow at Rocky Mountain Institute (RMI), an investor, advisor and Board member for

startups in the energy, environmental and impact spaces, a consultant on low carbon technologies and finance, and a writer and speaker on energy. He has 35 years of experience in energy research, design, and business strategy. For RMI he now works selectively to expand the footprint, toolset and impact. He was previously Managing Director for RMI's programmatic activities, hiring and shaping teams, setting priorities and ensuring funding. Prior to RMI he ran a cleantech venture group, following twenty years as a Partner at the Boston Consulting Group. He started his career at Exxon and DOE's Pacific Northwest National Laboratory. He was educated at Vanderbilt and Leeds, in England, and Stanford.

"We are tied to the ocean. And when we go back to the sea, whether it is to sail or to watch - we are going back from whence we came."

— John F. Kennedy



Daniela Ibarra-Howell, is the CEO and Co-Founder of Savory Institute. An agronomist by profession, she has over 25 years of international experience in the field of regenerative resource management and policy in a variety of ecological and cultural environments. Since co-founding the Savory Institute, she has led the design and implementation of a revolutionary entrepreneurial grassroots network-based strategy to reverse desertification and tackle systemic food, water and climate change issues. She has served as advisor to sustainability initiatives such as UN Global Compact, UN Rio+20, Solidaridad Farmers Support Program, Global Roundtable for Sustainable Beef, Sustainable Agriculture Network, HRH Prince of Wales Campaign for Wool, 4x1000 French initiative, COPs, and TNC's sustainable grazing initiative among others.



Erfan Ibrahim, Ph.D. is the Center Director for Cyber-Physical Systems Security and Resilience R&D at the National Renewable Energy Lab in Golden, Colorado. Ibrahim works with public and private sectors identifying security requirements, evaluating cybersecurity standards, testing cybersecurity controls and determining residual risk in smart networks.

He serves as the chief liaison from NREL to the Office of Electricity Delivery and Energy Reliability (OE) at the Department of Energy. He serves on the cybersecurity and resilience team within the Grid Modernization Lab Consortium for the DoE. Ibrahim has a B.S. Honors in Physics from Syracuse University, M.S. in Mechanical Engineering from University of Texas Austin and Ph.D. in Nuclear Engineering from the University of California Berkeley.



Bob Irvin, President and CEO of American Rivers since July 2011, leads American Rivers in its mission to protect and restore our nation's rivers. He is responsible for management of the strategic, programmatic, and financial operations of American Rivers. Previously, Irvin was Senior V.P. for Conservation Programs at Defenders of Wildlife. Irvin has also served as Director of

U.S. Conservation for World Wildlife Fund; V.P. for Marine Wildlife Conservation and General Counsel for the Center for Marine Conservation; Senior Counsel for Fish and Wildlife on the Majority Staff of the U.S. Senate Committee on Environment and Public Works; Counsel and Director of the Fisheries and Wildlife Division, National Wildlife Federation; and Trial Attorney in the Civil Division of the U.S. Department of Justice.



Susan Israel, architect, artist, climate communicator, and social entrepreneur, founded Climate Creatives to engage people to act on climate change using public art and art/design creative workshops. Her renewable energy project, "ASK," deployed nationally, and "Rising Waters" has been installed internationally. Israel has curated or shown artwork in

numerous exhibitions. Her creative engagements have appeared at public events and inside diverse organizations including Harvard Business School, Fidelity Investments, and Blue Cross Blue Shield. Prior, Israel founded and led architecture firms for over 20 years. She is a LEED AP, Connective Leadership Institute Certified Trainer, Member of Harvard Alumni Association Board of Directors, and Advisor to ArtWeek Boston. Israel holds an A.B. with Honors from Harvard College, Master of Architecture from Harvard University, and attended Boston Museum of Fine Arts School.



Travis Johnson currently does business development at ASU LightWorks, a research initiative that strategically integrates renewable energy research across the University. Johnson received his Bachelor of Science degree from Arizona State University in 2005 and spent five years as an entrepreneur. He returned to ASU and received his Professional

Science Master's degree in Science and Technology Policy in 2012 from the Consortium of Science Policy and Outcomes. He became a certified Project Management Professional in 2014. His focus is on uniting university research with business opportunities to enable energy system transitions. Johnson is also a Sustainability Science for Future Teachers course instructor and a Faculty Associate for the Mary Lou Fulton Teachers College.



Samantha Joye is an oceanographer, a microbiologist, an educator, a deep ocean explorer, and a vocal ocean and environmental advocate.

Joye holds the Athletic Association Professorship in Arts and Sciences and is a Professor in the Department of Marine Sciences. She is an expert in geochemistry and microbial processes, focusing on hydrocarbon and trace

gas dynamics and studies of global environmental change. Her work is highly interdisciplinary, bridging the fields of analytical chemistry, microbiology, and geology. Joye has been studying the microbiology of natural seepage of oil and gas in the Gulf of Mexico since 1994; her research portfolio includes similar studies in the Arctic Ocean, the South China Sea, the Guaymas Basin, and along the Pacific and Atlantic ocean margin systems.



David Katz is the Founder and CEO of The Plastic Bank, recently named one of the world's most compassionate entrepreneurs by *Salt Magazine* and winner of the Entrepreneurs' Organization Global Citizen award. As Founder and CEO, Katz provides an opportunity for the world's most vulnerable communities to collect and trade plastic waste as a currency. The

Plastic Bank is creating a global network of micro-recycling entrepreneurs that will transcend poverty by cleaning the environment. Katz's mission is to inspire entrepreneurs to find solutions to global challenges and prove that entrepreneurs are uniquely wired to change the world.



Joanie Klar is a social architect, media producer, health coach, and inspirational global citizen/activist involved in sustainable

development, experiential education, empowering women and indigenous people. She serves as a consultant to the Global Security Institute for Nobel Peace Prize nominee Jonathan Granoff. She is a Founder of Integrated Sustainable

Solutions and Co-Founder the Aspen Center for Integrative Health. Klar is a Partner in both in the WIN Health Institute and the POEM Eco Resorts and Media. Previously serving on the Aspen Planning and Zoning Commission, she co-authored their Growth Management Plan. She was on the Board of Trustees for John Denver's Windstar Foundation and now lives in NY state, where she designed and built her green, sustainable, permaculture home and raises bees.



Harry Kloor Ph.D., is a filmmaker, scientist, educator, inventor, entrepreneur, ghost hunter, and professional trouble-maker. In 1994 Kloor was named ABC World News Person of the Week for earning the unique status of being the first and, still to date, the only person in the world to simultaneously earn two Ph.D.s., in physics and chemistry. His many Hollywood credits include creating the series *Earth Final Conflict*, writing, producing and/or directing for *Star Trek Voyager*, *Godzilla*, *Quantum Quest*, *ILL Wind*, and *Carson of Venus*. Kloor is presently the CEO and Founder of Jupiter 9 Productions, Loarz Inc., Founder and CSO of Caricord, CSO of AGI, a bold innovator for the XPRIZE Foundation, and a board member of the Brain Mapping and Therapeutics society.



Kerry Koepping is the Arctic Arts Project Director for the Institute of Arctic and Alpine Research. Koepping is an internationally acclaimed environmental photographer and communicator with a passion for the outdoors and the Arctic. His work has been published in prestigious media channels throughout the world including the Smithsonian, NCAR, ECO, SwissCom, and the U.S. Arctic Research Commission. Koepping has also been a presenter at international forums and conferences on climate change; most recently at the Arctic Circle Assembly in Reykjavik, Iceland and The Visual Climate Change Forum at The University of Indonesia, Jakarta. His unique vision for the Arctic Arts Project evolved while shooting in Denali, Alaska where he captured rarely seen permafrost polygon hummock imagery that evoked a passionate global response from naturalists, scientists and artists.



Larry Kopald is President and Co-Founder of The Carbon Underground, an organization focused on re-sequestering carbon in our soil to help reverse climate change and improve food and supply chain security. The Carbon Underground combines science, business, and communications and is presently working with corporations, governments, the United Nations and The Vatican, along with groups representing millions of farmers around the world. A communications strategist, Kopald previously spent over 20 years in the advertising business, overseeing advertising for companies like American Express, McDonalds, Honda and Coke before creating Kopald/Stranger. Kopald/Stranger counts Nike, Patagonia, Walmart, and 3M among its clients. Kopald is currently a Senior Fellow at USC's Marshall School of Business, and served on the White House Panel on Social Innovation under President Obama.



Daniel Kreeger is Co-Founder and Executive Director of the Association of Climate Change Officers (ACCO) and has a unique familiarity of key climate and sustainability leaders at and efforts by most Fortune 500 companies, higher education institutions and North American government entities. Kreeger has led ACCO's programming efforts, as well as establishment of its certification and training programs, the first comprehensive climate change credentialing program for climate change professionals and leaders across sectors. Dan led ACCO's partnership with the White House Council on Environmental Quality in 2011 and 2012 to Co-Produce their flagship conference on sustainability in Federal agency operations, the GreenGov Symposium, and was a Co-Founder of EPA's Climate Leadership Awards, serving on its steering committee from 2012-2015. He has served as

a U.S. government reviewer for the IPCC and advises numerous organizations on the development of staff/workforce climate preparedness training initiatives.



Eric Kuhn is the General Manager of the Colorado River District, a position he has held since 1996. He earned his Bachelor's Degree in Engineering from the University of New Mexico and a Master's Degree in Business Administration from Pepperdine University. Prior to working for the Colorado River District, he served as an engineer officer aboard nuclear submarines in the U.S. Navy and worked as start-up engineer for Bechtel Power Corp. Kuhn started employment with the Colorado River District in 1981 as Assistant Secretary-Engineer. He has served on the Engineering Advisory Committee of the UCRC since 1981. From 1994-2001, he served on the Colorado Water Conservation Board representing the Colorado River mainstem. In 2006, Kuhn was appointed by Governor Owens as an at-large representative on the Colorado Interbasin Compact Committee.



Ryan Kushner works as Program Facilitator at Elemental Exceleator (part of the Emerson Collective - the investment and philanthropic platform founded by Laurene Powell Jobs), a Honolulu and Palo Alto-based cleantech accelerator program that invests up to \$1M per company into promising startups in the fields of energy, mobility, water, food + ag and cybersecurity. Kushner has committed his career to accelerating the adoption of 100% clean energy. He is currently working on Free Electrons, a new cooperative model of energy innovation, founded and funded by 8 international utilities.



Sandra Kwak is CEO and Founder of social business 10Power, which is providing renewable energy internationally to communities that lack access to electricity. Previously she worked with AutoGrid creating energy saving apps for utilities using smart meter Big Data, scaling the company through \$14M in financing from prototype to a global brand. Kwak also Co-Founded and served as President and COO of energy efficiency company Powerzoa and at Pacific Gas and Electric Utility implementing the ClimateSmart program, which offsets emissions associated with electricity generation. She has a Sustainable MBA from Presidio Graduate School, has taught at SFSU and guest lectures at CCA and Stanford.



Klaus Lackner, Ph.D., is the Director of Center for Negative Carbon Emissions and Professor at the School of Sustainable Engineering and the Built Environment of the Ira A. Fulton Schools of Engineering, Arizona State University. Lackner's research interests include closing the carbon cycle by capturing carbon dioxide from the air, carbon sequestration, innovative energy and infrastructure systems, the role of automation, robotics and mass-manufacturing in downscaling infrastructure systems, and energy and environmental policy. Trained as a theoretical physicist, he has made a number of contributions to the field of carbon capture and storage since 1995. His recent work at Columbia University as Director of the Lenfest Center for Sustainable Energy, advanced innovative approaches to energy issues of the future and the pursuit of environmentally acceptable technologies for the use of fossil fuels.



Osprey Orielle Lake is the Co-Founder and Executive Director of Women's Earth and Climate Action Network (WECAN). She works

internationally to promote resilient communities and foster a post-carbon energy future, while also addressing societal transformation. She is Co-Chair of International Advocacy with the Global Alliance for the Rights of Nature and designs the curriculum and co-teaches WECAN's national and international climate trainings. Lake advocates with the UNFCCC Women and Gender Constituency and directs WECAN's advocacy work in programs such as Women for Forests, Tar Sands Campaign, 100% Renewables and United Nations forums. She is author of the award-winning book, *Uprisings for the Earth: Reconnecting Culture with Nature*.



Timothy J. LaSalle, Ph.D. is serving as the International Coordinator for the Open Burning Project for the International

Cryosphere Climate Initiative and is Co-Founder and Co-Director of the Regenerative Agriculture Initiative, CSU Chico. LaSalle has served as the first CEO of Rodale Institute, Executive Director of the Allan Savory Center

for Holistic Management, consultant, advisor, and research coordinator for the Howard Buffett Foundation in Africa on soils and food security for smallholder farmers. He is Professor Emeritus of California Polytechnic State University, and former President/CEO, of the California Agriculture Leadership Program where he arranged educational leadership programs in more than 80 countries with heads of state, ministers, industry, and community leaders.



Dan Lashof, Chief Operating Officer of NextGen Climate America Inc. and NRDC Senior Fellow, focuses on solutions to global

warming, particularly developing federal and state regulations to place enforceable limits on carbon dioxide and other heat-trapping pollutants. He has participated in scientific assessments of global warming through the IPCC

and has monitored international climate negotiations since their inception. He earned his Bachelor's Degrees in physics and mathematics at Harvard and a doctorate from the Energy and Resources Group at the University of California, Berkeley. He became an environmentalist the first time he backpacked the Continental Divide above Boulder, Colorado. He recently moved back to Berkeley with his wife Diane and their dog Diva. They have three adult sons. He enjoys bicycling, hiking, and skiing when there is enough snow.



Robert Lavia is Chairman and CEO of Dakia Global, LLC, an international management holding company with a focus on germinating and holding

Impact Investments that deliver robust profitability. Dakia Global has a unique ability to bring together some of the world's leading brands in hospitality, tourism, energy, technology, infrastructure, and capital while ensuring the target market

is the beneficiary of significant and quantifiable economic, social and climate impact. Projects in active stages are located in Mexico, Haiti, Cuba, Colombia, and United States with interest in excess of \$1.25 Billion. Project brands include Marriott Vacation Club, Sunwing Travel, Hyatt Hotels, MGM, and others. Prior to Dakia Global, Lavia served as Chief Investment Officer for Veremonte, a London based investment Management Company, with over \$1.0 Billion AUM at peak.



Marjorie Layden is on the Board of Directors for the American Renewable Energy Institute (AREI). She is based out of Montecito, California.

Layden serves as Chair of the Henry Schimberg Foundation for Ethics and Leadership, whose mission is to foster a strong sense of personal and business ethics among future leaders by investing in education, publications, and civil dialogue. In partnership with her late husband, Henry A. Schimberg, she has permanently endowed and continues to support the University of California at Santa Barbara seminar, "Ethics, Enterprise and Leadership," which is designed to engage undergraduate students in the study of ethics and philosophical debate. Layden is a Board Member for Salzburg Global Seminar as well and she is involved with a number of nonprofits focused on mindfulness, including The Dalai Lama Peace and Development Foundation.



Anthony Leiserowitz, Ph.D. is Director of the Yale Program on Climate Change Communication at the Yale School of Forestry

and Environmental Studies. He is an expert on public opinion and engagement with the issues of climate change and the environment. His research investigates the psychological, cultural, and political factors that influence

environmental beliefs, attitudes, policy support, and behavior. He conducts research at the global, national, and local scales, including studies in the United States, China, and India. He is a board member of the KR Foundation and advises the UN Foundation, the Smithsonian, the Ad Council, Years of Living Dangerously, and the China Center for Climate Change Communication at Renmin University, among many others. He is also the host of *Climate Connections*, a daily national radio program and podcast.



Frederick Lemond Jr. is currently the President of The Lemond Consortium, LLC

and has a passion for developing individuals and companies in Leadership, Management, and Operations excellence. He is an oil and gas industry executive with 32 years of production and operations experience. Over his career, he has managed operations, in North America,

for Atlantic Richfield Corporation (Arco) and British Petroleum (BP), including BP's largest land-based operation in the United States. Lemond was also responsible for leading BP's global Technician Competency Assurance Program, which covered 9 Operating Regions in 7 countries around the world. In 2010, Lemond led the BP Clean-up Response effort, in Venice, Louisiana, for the BP Deepwater Horizon disaster.



Eva Leung is the Co-Founder and Director of Design and Strategic Partnerships at Terra Cura Inc., a Massachusetts-based regenerative

development nonprofit organization. She is also the Founder of We:Generation, a blog that explores the intersection of regeneration, design, spirituality, technology and politics.

Leung graduated from National University of Singapore with a B.A. in Architecture (Honors) in 2005 and with a Masters in Architecture from Harvard Graduate School of Design in 2012. She was raised in Hong Kong and Singapore, worked in New York and Boston, and has eight years of professional experience in the building industry. She designs processes that prioritize strategic alignment of interests across ecological, social and economic platforms. Leung's expertise is in the comprehensive transformation of living systems through place-making and food-system integration.



Brook LeVan is Co-Founder and Director of **Sustainable Settings**. LeVan lectures, writes and organizes community-based solutions and events on re-localized sustainable food and energy shed systems through the Demeter Certified Biodynamic working ranch and Whole Systems Learning Center. He holds a diploma in Permaculture and is a green development, Biodynamic, Permaculture, Holistic Management, sustainable agriculture, and native riparian systems consultant. LeVan writes the "Food for Thought" column for *Edible Aspen*, is founding Board member of the Thompson Divide Coalition, and is on the Board of Grassroots TV. He received a Fulbright Research Fellowship for research on sustainable human settlement in Ghana, A Durfee Foundation Fellowship for an expedition navigating the Yellow River in China, National Endowment for Humanities, and a Pollock-Krasner Foundation Fellowship.



Ken Losch is a founding member and CEO of **ZHRO Power and ZHRO Solutions** which are collectively focused on commercializing a suite of "green" technologies for use in the heavy truck transportation, stationary power generation and oil and gas markets. In addition, Losch has more than 25 years of real estate development experience in both the United States and Canada. His companies have collectively purchased, developed, constructed, financed, and property managed close to 10,000 units and 2,000,000 square feet of commercial space, totalling more than \$2.0 billion in aggregate value for their direct account. Losch is also a founding board member of the TRACares Foundation.



L. Hunter Lovins is President and Founder of **Natural Capitalism Solutions (NCS)** which educates senior decision makers in business, government and civil society to restore and enhance the natural and human capital while increasing prosperity and quality of life. NCS creates innovative practical tools and strategies to enable companies, communities, and countries to become more sustainable. A sociologist and lawyer, her areas of expertise include Natural Capitalism, sustainable development, globalization, energy and resource policy, economic development, climate change, land management, and fire rescue and emergency medicine. She developed the Economic Renewal Project, is Chief Insurgent of the Madrone Project, and is faculty at Bainbridge Graduate Institute. Recipient of the "Right Livelihood Award," "Lindbergh Award," and "Leadership in Business," she was named *Time* magazine "2000 Hero of the Planet". In 2009, *Newsweek* dubbed her a "Green Business Icon."



Carl Gustaf Lundin is Director of the **IUCN's Global Marine and Polar Programme**. Lundin is responsible for the development and management of all aspects of IUCN's marine conservation work, including the collaboration with marine and coastal-based industries. Before joining IUCN, he worked as an Environmental Specialist at the World Bank in Washington for 12 years, with particular focus on coastal and marine management in the developing world. At both IUCN and the World Bank, he has been a key contributor to projects, conferences and publications on marine conservation in more than 75 countries. He is also a board member of a number of environmental committees and foundations. Lundin has a Bachelor's degree in Biology from Uppsala University in Sweden, and a Licentiate in Philosophy, Natural Resources Management, from Stockholm University.



Jerry Mallett was the Vice President of **American Wildlands** and a founding member of **American Rivers**. As a Colorado native he has been involved with federal lands management and protection since 1966. He served as the Western Field Representative for The Wilderness Society for 12 years, assisting state and local organization in developing legislative proposal for western National Forest, National Parks and U.S. Fish and Wildlife units. As the Executive Director of the Western Rivers Guides Association, Mallett addressed major issues of commercial permits, carrying capacity on rivers and maintaining free flowing opportunities on rivers. Mallett served as County Commissioner in Chaffee County and is a long time sportsmen and advocate of hunters and fishermen's involvement in insuring public lands remain in the public sector.



Mynoo Maryel is the Founder and visionary for **The PoEM Foundation** (PoEM=Palace of Extraordinary Miracles), a movement dedicated to making miracles the new norm. The PoEM's initiatives include transformational media, vitality and wellness programming, lifestyle products, services and eco-luxury resort and retreat development. Maryel (fka Mynoo Blackburn) was formerly a high-flying executive and pragmatic serial entrepreneur in Europe, Asia and Australia, and beginning in 2010 she experienced a series of spiritual awakenings and connected with the true mission of her soul. She entered periods of silence, which she now calls "downloads" during which profound wisdom about restoring miracles, childlike wonder and sublime well-being to our lives were revealed to her. She then undertook for herself what has now become *The Journey Into Miracles*.



Carlotta Mast is Executive Director of **Content and Insights at New Hope Network** and oversees Natural Products Expos, NBJ Summit, Esca Bona, *Natural Foods Merchandiser*, newhope.com, *Nutrition Business Journal*, the *NEXT* portfolio and *Delicious Living*, as well as chief editor of *The NEXT Natural Products Industry Forecast*. She is president of Naturally Boulder, a Colorado trade group, and serves on the board of the Climate Collaborative, working to leverage the power of the natural products industry to reverse global warming. Mast has also been interviewed by *The New York Times*, *Cosmopolitan*, NPR, ABC News, *BusinessWeek* and others. In 2013, Mast Co-Founded a paleo snack company called Wholly Bites which sold to 1908 Brands in 2016. Mast is a graduate of Northwestern University with a degree in Journalism.



Peter May-Ostendorp is the Founder and Principal of **Xergy Consulting**, a clean energy technology research and consulting firm based in Durango, Colorado. His team helps global clients research, analyze, and cultivate emerging clean energy resources at the grid's edge. Over the past decade, his research has identified impactful new ways to save energy in buildings ranging from high-efficiency appliances to smart building technologies. His work has resulted in deep energy savings through innovative utility programs, enhanced energy management and analytics, and the enactment of energy-saving regulations. Past clients and partners include Pacific Gas and Electric Company, the Natural Resources Defense Council, Natural Resources Canada, Aclara, Tendril, the US Green Building Council, and the National Rural Electric Cooperative Association. An engineer at heart, he holds a doctorate in Architectural Engineering from the University of Colorado and a Bachelors of Engineering from Dartmouth College.



Kris Mayes is a Senior Sustainability Scholar for the Julie Ann Wrigley Global Institute of Sustainability and Professor of Practice for the School for the Future of Innovation in Society. Mayes served on the Arizona Corporation Commission from 2003 until her term expired in 2010. She helped co-author the Arizona Renewable Energy Standard, which requires that by 2025 utilities must generate 15 percent of their overall energy portfolio from renewable sources, like wind solar, biomass, biogas, geothermal and other technologies. The Standard contains the most aggressive distributed generation requirement in the country. Mayes also helped establish one of the most ambitious energy efficiency standards in the nation, requiring utilities to sell 22% less energy by 2020 than they would have under current forecasts.



Pete Maysmith is Executive Director of Conservation Colorado, the largest state-based environmental group in Colorado with over 25,000 members and 37 staff. Maysmith led the formation of Conservation Colorado in 2013 by merging two of the state's leading environmental groups. The now merged group has seen a sevenfold increase in staff and budget since 2009 when Maysmith became Director. Over the course of his 25 year career in advocacy and politics, Maysmith has run state organizations and served on the senior staff of national organizations. Within those capacities he has lobbied, organized, run campaigns, raised millions of dollars and hired and trained dozens of exceptional staff. After working for a number of years in Washington D.C., he moved back to his home state of Colorado in 1996.



Aria McKenna is founder of The Global Cooling Project, and creator of the dramatic original series for the web, 'Revolution Earth'. This love triangle, which delves into the dangers of fossil fuels, while connecting the viewer to carbon cutting solutions, is in the development stage with Golden Globe Award winning writer, Jeff Abugov. McKenna is an actress turned environmental advocate and producer. She is also an Associate Producer on a powerful eco-thriller called *A Crack In Everything*, starring James Cromwell. The film exposes the dangers and corruption of the fracking industry, and the cracks within our system. McKenna is a part of Al Gore's Climate Reality Leadership Corps and has lobbied on Capitol Hill for a carbon fee with The Citizens Climate Lobby and The American Sustainable Business Council.



Ruarai McKenna is Director of Business Development for Care2. He is a strategic communication consultant with fifteen years of experience developing integrated marketing campaigns that sit at the intersection of social good and business success. McKenna worked as a political commentator for BBC Northern Ireland before immigrating to Washington D.C., where he helped establish a charity fundraising company, followed by a digital public affairs agency, serving a wide range of clients including the St. Jude's Children's Hospital, Mercy Corp, Amnesty International and the White House. Since joining Care2, McKenna has designed and executed successful cause-related partnerships for The Humane Society, Happy Egg Company, Care USA, UNHCR and AARP. He holds a Bachelor's Degree in Philosophy from Queen's University, Belfast, and a Master's Degree in Communication from The Johns Hopkins University.



Steve Michelson is Executive Director of The Fund for Sustainable Tomorrows and Executive Producer of The Video Project. A 40-year veteran of the documentary space, Michelson believes film can change the world. Through his distribution company, The Video Project, Michelson and his team are redefining the process of developing, producing, financing, distributing and promoting documentary films to create social change. Specifically, they are creating a studio like eco-system of resources and strategic planning that wrap around the storytelling process. Together, the process of making a cause-related film gains power and increases its likelihood of success. It does not employ a single formula or solution on how best to achieve results, but instead opts from a broad range of practices and techniques that have proven to be a solid framework for filmmakers pursuing this path.



Paul D. Miller/DJ Spooky is Chief of Strategy for Global Brain and is a composer, multimedia artist, editor and author. His DJ MIXER iPad app has seen more than 12 million downloads in the last year. In 2012-2013 he was the first artist-in-residence at the Metropolitan Museum of Art in NYC. He's produced and composed work for Yoko Ono, Thurston Moore, and scores of artists and award-winning films. Miller's work as a media artist has appeared in the Whitney Biennial; The Venice Biennial for Architecture, the Ludwig Museum in Cologne, Germany; Kunsthalle, Vienna; The Andy Warhol Museum in Pittsburgh and many other museums and galleries. His book, *Sound Unbound*, an anthology of writings on electronic music and digital media, is a best-selling title for MIT Press.



Soledad Mills is CEO of Equitable Origin and has spent more than a decade working in corporate social responsibility, human rights, sustainable development, and socially responsible investment. Mills leads strategic planning, partnership development and programming to advance EO's mission to advance sustainable energy development. Prior to joining EO, Mills worked with UL Responsible Sourcing where she developed due diligence programs for financial institutions and oversaw supply chain compliance with international standards and codes of conduct for Fortune 500 companies. Previously, Mills worked with the Interfaith Center on Corporate Responsibility where she supported shareholder engagement and advocacy on a range of issues, including sustainability reporting and labor standards. Mills holds a Master's degree in International Affairs from Columbia University and a Bachelor's degree in Asia-Pacific Business from the University of Hertfordshire.



Huang Ming is the Founder and CEO of Himin Solar Company Ltd., a global leader in solar thermal energy. He has played a central role in the passing of China's Renewable Energy Act of 2005, which resulted in China's government imposing a national renewable energy requirement that was expected to boost the use of renewable energy capacity by up to 10 percent by the year 2020. As a former engineer in the oil industry, Ming had the foresight to enter the renewable energy sector and created Himin Solar, the largest solar thermal product manufacturing company in China. Himin Solar's uniqueness is not just in technological innovation, but also in its massive application and demonstration in Dezhou's Solar City, one of the world's largest solar city development projects.



Pat Mitchell is known for her leadership in the media industry as a CEO, producer and activist. Her career has focused on using media as a force for social change, with a special emphasis on the representation of women's voices and stories. The first woman President and CEO of PBS, she most recently served as president and CEO of the Paley Center for Media;

she is now a Senior Advisor to the organization. Mitchell is also the former President of CNN Productions, where she executive produced hundreds of hours of documentaries and specials, which received 35 Emmy Awards and 5 Peabody Awards. Mitchell currently advises foundations and corporations on issues of women's empowerment and leadership development as well as media and governance. She is the Chair of the Women's Media Center and Sundance Institute boards.



Mario Molina is responsible for the international programs for The Climate Reality Leadership Corps in the US and abroad.

Molina joined the Climate Reality Project in 2013, and has spearheaded training for over 4,000 leaders in Australia, Brazil, Canada, India, South Africa, Turkey, and the US. His expertise in international climate policy and strategy combined with a strong background in metrics, analytics, and data drives the Leadership Corps with a data-driven engagement strategy across multiple sectors and demographics. Prior to joining The Climate Reality Project, Molina was responsible for creating a climate education program that reached more than 1.5 million students across the United States, and several sustainability and conservation programs in Australia, Ecuador, Costa Rica, the Dominican Republic and Peru.



Don Moon is a Colorado Native, historian, father, husband, and a well-seasoned actor/historian. He has a Bachelor's Degree in History from The University of Colorado and uses that degree to bring to life President Theodore Roosevelt. His one man, first person performances, has been seen in 6 states and has performed at the Theodore Roosevelt Symposium.

Moon will bring 'History to Life' and challenge today's concepts with the real story of Theodore Roosevelt.



Susan Myers is Senior Vice President of the UN Foundation and has led the New York Office of the Foundation since 2005. During her

16-year tenure at the United Nations Foundation, Myers has developed a practical skill set by which to manage organizations that seek to contribute solutions to global challenges. Myers initiated and led programs to support the UN on Every Woman Every Child, the Millennium Development Goals and the Sustainable Development Goals, and oversees the Foundation's initiatives within the private sector including the Business Council for the UN and relationships with the World Economic Forum and UN Global Compact. As part of the UN Foundation's Leadership Team, she has helped position the Foundation as a platform for companies, non-governmental organizations, foundations and individuals to support the UN's mission.



Mona Newton is the Executive Director for Community Office for Resource Efficiency (CORE). She has worked in the public and

private sectors promoting energy efficiency and renewable energy for over 20 years. CORE has developed numerous programs, including the country's first carbon tax. In addition, CORE helped to launch AREDAY. Newton came to the Roaring Valley following five years at the Governor's Energy Office where she worked closely with local governments, for-profit and nonprofit organizations to advance energy efficiency and renewable energy policy. She has assisted emerging companies develop and implement programs for new technology markets. Newton received a M.A. from the Korbel School of International Studies at the University of Denver.



Mark Nichols is Managing Principal at SeaSpire Advisors. He has over twenty years of experience in both the public and private sectors.

He is a leader in business development and specializes in emerging markets at SeaSpire Advisors. Nichols began his career working in the Clinton Administration where he served in a variety of capacities dealing with both policy and communications at the White House, the State Department and the U.S. Agency for International Development (USAID). Subsequently, he served as Vice President and Treasurer of General Wesley K. Clark's 2004 Presidential campaign and as a Principal at the consulting firm of Wesley K. Clark & Associates. An active triathlete and mountain climber, he lives in Washington DC.



David Orr, PhD is "Counselor to the President" at Oberlin College and Paul Sears Distinguished Professor of Environmental Studies & Politics, Emeritus. He is the author of eight

books, including, *Down to the Wire: Confronting Climate Collapse* (Oxford, 2009). His eighth book, *Dangerous Years: Climate Change and the Long Emergency* was published by Yale University Press in 2016. He has authored over 220 articles, reviews, book chapters, and professional publications. In the past twenty-five years, he has served as a board member or adviser to ten foundations and is on the Boards of many organizations including the Rocky Mountain Institute, Bioneers, and the Aldo Leopold Foundation. He is currently a Trustee of the Alliance for Sustainable Colorado, the WorldWatch Institute, and Founder and Chair of the Board of the Oberlin Project.



Jerome Osentowski is the Founder and Director of the Central Rocky Mountain Permaculture Institute (CRMPI). He is a certified

Senior Permaculturist and author of *The Forest Garden Greenhouse*. By offering workshops, courses, and internships, CRMPI has taught over 3,000 students and interns from around the world to practice Earth Care, People Care, and Fair Share through permaculture design. CRMPI's annual Permaculture Design Course (PDC) is the longest-running in the world, celebrating its 31st year in 2017. CRMPI also offers tours and field trips to the public, allowing visitors a glimpse its 25-year-old food forest, near-net-zero tropical greenhouse, Mediterranean greenhouse, three season extension greenhouses, hillside permaculture swales (aka "berm-n-basins"), chickens and rabbits, and edible landscape nursery, all at 7200' above sea level in the Colorado Rockies.



Matthew Patsky is Chief Executive Officer and a Portfolio Manager at Trillium Asset Management, leading the firm's Sustainable Opportunities strategy. He joined Trillium in 2009, and has three decades of experience in investment research and management. Patsky began his career at Lehman Brothers in 1984 as a technology analyst where he became the first sell side analyst in the United States to publish on the topic of socially responsible investing in 1994. As Director of Equity Research for Adams, Harkness & Hill, he built that firm's powerful research capabilities in socially and environmentally responsible areas. Prior to joining Trillium, Patsky was at Winslow Management Company in Boston, where he served as director of research, chairman of the investment committee and portfolio manager for the Green Solutions Strategy and the Winslow Green Solutions Fund.



Ryan Popple is Chief Executive Officer of Proterra, bringing a wealth of experience in scaling advanced transportation technologies. Before joining Proterra, Popple was instrumental in the successful capitalization of Tesla Motors and the commercialization of its first-in-kind Roadster. Popple's experience spans beyond the production side of electric vehicles. As a partner of Kleiner Perkins' Green Growth Fund, he was focused on late-stage venture cleantech investments in mobility and transportation. Committed to moving the industry forward, Popple serves on the EV Strategic Council working on long-term strategic planning for the transition to clean vehicles. He holds a bachelor of business administration degree in finance from the College of William & Mary and received an MBA from Harvard Business School, where he was a Baker Scholar.



Robert M. Perkowitz is Founder and President of ecoAmerica, a non-profit that "starts with people" and helps build institutional leadership for climate and sustainability in America. ecoAmerica supports dozens of national organizations ranging from the American Public Health Association, the American Academy of Physicians, the African Episcopal Methodist Church and the National League of Cities as they build comprehensive climate programs that engage the millions of members in climate solutions. ecoAmerica's core programs - Blessed Tomorrow, Climate for Health, Path to Positive Communities, and Solution Generation – are grounded in strategic communications research convened through in-person and online training available at ecoAmerica.org.



Luka Powanga, Ph.D. is a professor at Regis University and a Co-Founder of the annual Energy Africa Conference, which pools high-level government officials, business executives, investors and leading scholars/researchers from Africa and around the world to form mutually beneficial partnerships to support the work needed for Africa to establish an energy infrastructure that is sustainable, accessible and appropriate. Dr. Powanga participates in high-level African economic development forums, and consults in international business, energy and investments. He holds a B.S. degree in Metallurgy and Mineral Processing from the University of Zambia, Masters and Ph.D. degrees in Mineral Economics from Colorado School of Mines with a minor in Finance. He also holds a Master's degree in Computer Information Technology.



Mike Phillips is the Executive Director of the Turner Endangered Species Fund (TESF) and Turner Biodiversity Divisions (TBD). He has been leading the Fund and Biodiversity Divisions since Ted Turner founded both in 1997. They now stand as the world's most significant private effort to conserve biological diversity. Prior to TEF and TBD, Phillips worked for the U.S. Fish and Wildlife Service leading the historic effort to restore red wolves to the southeastern U.S. and for the National Park Service in the historic effort to restore gray wolves to the Greater Yellowstone Ecosystem. He was elected to the Montana legislature in 2006 and will serve as a state senator through December 2020. In 2009, Phillips was invited by the White House to work with the administration and the U.S. Senate on energy and climate change legislation.



John Powers is the Founder and Board President for Alliance for Sustainable Colorado, a nonprofit formed to keep the planet habitable through collaboration and its LEED Dynamic Plaque certified Alliance Center in Denver, which licenses office and meeting space to sustainability organizations. Powers is driving the conversion of The Alliance Center from alternating to direct current in order to capture, measure and demonstrate the energy efficiency possible through microgrids in commercial building, and accelerate adoption of renewables at utility scale to help meet the goals set in Paris for reductions of greenhouse gas emissions. Powers is a board member of Conservation Colorado and the Educational Foundation of America, and the instigator of the Colorado Funders' Environmental Affinity Group.



Eric Pooley is Senior Vice President for Strategy and Communication for the Environmental Defense Fund. Pooley is the author of *The Climate War: True Believers, Power Brokers, and the Fight to Save the Earth* (Hyperion, 2010), which Bill Clinton hailed as "a riveting tale" and "the very first account of the epic American campaign to get serious about global warming." In 2002, Pooley was named editor of *Time* Europe and later became managing editor of *Fortune*, responsible for all global editorial operations of the magazine. In 2009, he began writing a climate and energy column for *Bloomberg News*, and was named deputy editor of *Bloomberg BusinessWeek*. His work has been recognized with many awards, including a 2001 National Magazine Award, the 1996 Gerald R. Ford Prize for Distinguished Reporting on the Presidency and four Henry R. Luce Awards from *Time, Inc.*



Jonathan Powers is Co-Founder of CleanCapital, leading corporate strategy and development, investor relations, and marketing. Power's passion for clean energy derives from his time served with the US Army in Iraq and the realization that a clean energy economy is vital to protect America's national security interests. After helping revolutionize the US Army's energy program, Powers was appointed by President Obama to serve as the Federal Chief Sustainability Officer. While in this role, he recognized the need to address the inefficiencies in clean energy finance. In 2016, Powers was named by Washington Life as a Top 25 Tech Leader for DC.



Louie Psihoyos directed *Racing Extinction* and *The Cove* and is the Executive Director of Oceanic Preservation Society (OPS). He is

regarded as one of the top photographers in the world. He founded OPS in 2005, with the goal of helping the public and media observe the beauty and destruction of the oceans, and motivating the world to action. He was hired after college to shoot for National Geographic and worked there for 18 years. An ardent diver and dive photographer, he has worked for *Fortune Magazine* and shot hundreds of covers for magazines including *Smithsonian*, *Discover*, *GEO*, *Time*, *Newsweek*, and *The New York Times Magazine*. His work has aired on the Discovery Channel, National Geographic Television and the History Channel. His first film, *The Cove*, won an Academy Award for Best Documentary in 2010 and an Audience Award at Sundance.



John Quigley is an internationally known Artist, Producer, and Activist. As founder of Spectral Q, his unique mix of human installation

and aerial photography brings together communities to create large-scale messages for the common good. Focusing on themes of health, human rights, social justice, ecological balance, democracy, and freedom, his work strives to liberate the spirit and inspire unity through creative participation. He has created more than 200 Aerial Art images involving over 200,000 people on 7 continents. Recently he created the '100% Renewable Eiffel Tower Peace Symbol' in the aftermath of the Paris terror attacks during the UN COP 21 Climate Talks. He currently serves on the board of the Environmental Media Association.



Sally Ranney is Co-Founder and President of the American Renewable Energy Institute (AREI) and AREDAY, and Co-Founder of the International Women's Earth and Climate Action Network (WECAN). She is CEO of Stillwater Preservation LLC, a wetlands mitigation banking company and serves on the Patrons of Nature of the IUCN. Ranney is a founding

board member of Intentional Investment Holdings (IIH) and on the executive board of the Climate Accountability Institute (CAI). With forty years of experience in land, water, energy, biodiversity and climate change, Ranney has worked with three U.S. Presidents, including an appointment by President Reagan to his Commission on American Outdoors. She is the diligent of numerous awards including the Horace Albright Award, the International Conservation Award, Earth Guardians' Earth Stewardship Award, and the Children's Environmental Literacy Foundation (CELf) Lifetime Achievement Award.



Amanda Joy Ravenhill is the Executive Director of the Buckminster Fuller Institute, dedicated to accelerating the development

and deployment of strategies which radically advance regeneration of Earth's ecosystems. Other positions she has held include Co-Founder and Executive Director at Project Drawdown, lecturer at Presidio Graduate School, teaching the Principles of Sustainable Management course; co-founder of The Hero Hatchery, a climate activist fellowship program; Business Partnership Coordinator at 350.org; and Americorp Sustainable Communities and Education Fellow. Ravenhill is driven by her experience living and working internationally as well as her enthusiasm to integrate art and science. She lectures and speaks publicly on such wide-ranging topics as biochar, regenerative design, carbon drawdown strategies, mindfulness and systems thinking.



Bill Reed is an architect/ecologist at Regenes Group. Reed is an internationally recognized practitioner and leading authority on

integrative systems design and regeneration. Regenerative Development is a living systems meta-discipline that unifies the practices of Social and Ecological Design into a process that lifts people, building design, and community planning into co-evolutionary relationship. Reed is one of the founders of the LEED rating system, author of many articles, contributor to multiple books - including *Regenerative Development and Design* and co-authorship of *Integrative Design Guide to Green Building*. He has consulted on hundreds of deep green design commissions - buildings and city/regional master plans - and teaches, lectures, practices in universities and countries around the world.



John Rhee is an investor and philanthropist. He has founded and currently serves as Managing Director for Stratis Impact, an impact

investment company creating measurable and significant social and financial returns. He previously developed and led alternative investment practices for SoftBank, Inc., Korea. Rhee is also an attorney, and previously worked for Davis Polk & Wardwell New York as well for the United States Whitehouse as a Law Clerk. He received a J.D. from Yale Law School and holds a bachelor's degree from Cornell University. Rhee's nonprofit experience includes serving as a founding member and auditor for Bitnasa, serving Korean homeless and elderly citizens and he currently sits on the investment committee for the Barbara Bush Foundation for Family Literacy. He has previously served as a mentor for XPrize and as senior advisor to the Korea Creative Content Agency.



Wiley Rhodes, Founder of One Step In Foundation and Chief Executive Officer of Newpoint Companies, is an experienced

executive with over 30 years in the oil and gas industry. With his wide range of international experience he has established an importance on the elimination of methane and flash gas emissions from oil production. With an eye on market changes and new innovations, Rhodes founded 501 C(3) non-profit, One Step In Foundation (1Si). Throughout 1Si, he works to maximize our valuable resources by building viable solutions while serving the world's energy needs. Rhodes has recently published four papers that demonstrate methane and flash gas emissions issues.



Zane Rhodes is CEO of Flash Gas Control, LLC. He has over twenty years of experience

in various management and engineering roles including mechanical design, hydraulic system design, dynamic system modeling and controls, active heave compensation, process design, and project management. His current work at Flash Gas is to eliminate hydrocarbon emission from oil production. Rhodes background includes the design and optimization of gas treating systems including flash gas capture, compact fractionation, amine plants, membrane plants, catalytic oxygen removal systems, TEG dehydration plants, mole sieve dehydration plants, project management, engineering supervision, and business management.



Rod Richardson serves as President of the **Grace Richardson Fund**, a private foundation pioneering new free market policy solutions designed to bridge the gap on major problems stuck in partisan gridlock. A free market optimist – and columnist for *The American Spectator* – Richardson brainstorms new capitalist planet-saving ideas such as Cleantech Tax Cuts & Clean Deregulation.

At AREDAY, Richardson will explore the surprising policy implications of plunging wind and solar costs, missed by many. As these technologies increasingly compete with profits and without subsidies, pro-capitalist marginal tax rate cuts (think Reaganomics) become a suddenly relevant policy option, accelerating investment, driving down the cost of clean energy and technology. Promoting success over failure, Clean Tax Cuts can rapidly make subsidy and regulation policies irrelevant, as clean technologies win on price alone.



Michelle Ridgway is an Alaskan independent marine ecologist with **Oceanus Alaska**, working on deep sea foodwebs, benthic habitat sustainability strategies and ocean policy for state, federal and international waters. A research diver, ROV pilot and submarine pilot, Ridgway has worked in the US Arctic, Chukchi Sea, Bering Sea, Aleutian Archipelago and Gulf of

Alaska since 1988. She has developed extensive curricula and instructional strategies for conducting intensive place-based, STEM-focused marine biology programs for Alaskan coastal students. She has directed marine science camps in Bering Sea, Aleutian and Gulf of Alaskan remote communities, and continues to mentor dozens of students as they advance into high school science and technology programs, university science endeavors and marine research jobs.



Jerome Ringo is the Founder and Chairman of **Zoetic Global**, a leading edge renewable energy developer. He is an internationally recognized thought leader on global environmental issues and has led two of the largest environmental organizations in the world, the 6-million member National Wildlife Federation and the Apollo Alliance, a 19-million-member organization during

his tenure. After years of advocacy work on behalf of nations in the developing world, Ringo saw the stark need for direct involvement. Today, he draws upon his international network to bring best-in-class technology solutions to leaders and communities in the developing world. Zoetic is the culmination of Ringo's life-long work to promote sustainable development through the use of clean technology solutions.



Henk B. Rogers, Dutch-born American entrepreneur, is on a mission to end the use of carbon-based fuel. He is Founder and Chairman of Hawaii-based **Blue Planet Foundation** (a nonprofit that played a key role in driving the state of Hawaii's mandate of 100% for renewable electricity by 2045, a \$1 barrel tax on oil imported into Hawaii and an annual Hawaii Energy Report Card). He is also the CEO of Blue Planet Energy,

an energy storage company featuring the Blue Ion battery system. Rogers had a 30 year career in the computer gaming industry, pioneering role playing games in Japan and making Tetris one of most successful video games of all time. He has spent the last decade advocating environmental protections and pursuing moon/Mars colonization.



Theodore Roosevelt was the 26th President of the United States from 1901 to 1909. As a leader of the Republican Party, he became a driving force for the Progressive Era in the United States. Roosevelt became leader of the Progressive movement, he championed his "Square Deal" domestic policies, promising the average citizen fairness, breaking of trusts, regulation

of railroads, and pure food and drugs. Making conservation a top priority, he established a myriad of new national parks, forests, and monuments intended to preserve the nation's natural resources. Roosevelt won the 1906 Nobel Peace Prize. Elected in 1904 to a full term, he continued to promote progressive policies. Roosevelt is ranked as one of the five best US presidents putting conservation into the conservative while talking softly and carrying and big stick.



Catrina Rorke is Director of Energy Policy and a Senior Fellow at the **R Street Institute**, founding and leading the institute's energy program that seeks to help lawmakers, stakeholders, coalition partners and the policy community make informed decisions about such issues as infrastructure, wholesale and retail electricity, fuel diversity, energy choice and climate

adaptation and mitigation. Before joining R Street, Rorke founded the energy program at the American Action Forum, a center-right policy institute that specializes in actionable research and analysis. She previously served under former U.S. Rep. Bob Inglis, R-S.C., helping him craft the first Republican-sponsored carbon tax bill and supporting his work on the House Committee on Science and Technology. Rorke got her start as a Presidential Management Fellow at the National Oceanic and Atmospheric Administration.



John W. Roulac is a philanthropic entrepreneur and Founder and CEO of **Nutiva**, the world's leading organic superfoods brand of hemp, coconut, chia, and red palm -- named one of *Inc. Magazine's* fastest-growing private companies in America six years in a row. Expertise in regenerative agriculture, hemp, composting, forestry and natural healing, Roulac has

authored four books on environmental topics. Nutiva successfully sued the US DEA in 2002, paving the way for hemp foods to be sold in the US. He founded GMO Inside, dedicated to educating people on GMO food dangers. Roulac is the Founder of five nonprofit ecological groups and is on the board of Soil not Oil Coalition. Nutiva donated over \$4M to groups (via 1% sales) promoting sustainable ag including VoteHemp and HIA. Roulac is co-producer of the *Kiss the Ground* movie scheduled for a 2018 release.



Jeffrey D. Sachs is Director of the **Earth Institute**, serving from 2002 to 2016. Sachs was appointed University Professor at Columbia University in 2016, and also serves as Quetelet Professor of Sustainable Development at Columbia University. Sachs is Special Advisor to United Nations Secretary-General Antonio Guterres, and previously advised both

UN Secretary-General Ban Ki-moon and UN Secretary-General Kofi Annan on the Millennium Development Goals. Sachs is Director of both the Center for Sustainable Development, and the UN Sustainable Development Solutions Network. Prior to joining Columbia, he spent over twenty years as a professor at Harvard University. A native of Detroit, Michigan, Sachs received his B.A., M.A., and Ph.D. degrees at Harvard.



Adam Sacks is the Executive Director of **Biodiversity for a Livable Climate**, a 501(c)(3) non-profit which he co-founded in 2013.

The organization has held eight conferences since then, promoting and educating about the power and effectiveness of biology in addressing and even reversing climate change. Sacks has had careers in education, holistic medicine, computer technology, politics and advocacy. For five years he directed a nonprofit that worked with communities invoking basic democratic and constitutional principles to oppose detrimental local corporate activity. He has been a climate activist since 1999 and has been studying and writing about eco-restoration since 2007. When not at work, he is an artist, writer, cyclist and grandfather.



Hanieh Sadat is President of **ImpactX Circle**, having over 12 years of experience in the financial market. She and her team were responsible for managing \$11B combined assets for the select group of family offices, endowments and institutions at Morgan Stanley Private Wealth. In 2016, she joined an energy private equity in Asia focusing on investing in clean energy & water technologies. Later she formed her company, impactX to facilitate the deployment and commercialization of technological innovation in renewable energy, water, and material science. She later founded ImpactX Circle, a private circle for diverse group of thought leaders to connect, discuss and collaborate on "Today's World Issues & Opportunities." Sadat is a young global leader at World Economic Forum, Milken Institute, and Nexus Global Youth. She sits on the board of advisory of GVNG.org and HELENA.org.



Ed Saltzberg is the Managing Director of the **Security and Sustainability Forum (SSF)**, which convenes global experts in free webinars to address the impact to society from climate and other disruptions to natural systems. Formed in 2009, SSF has convened 120 online sessions covering most of the important scientific and social impacts including global climate security, urban resilience, energy, food security, public health, and environmental literacy, among many others. A former educator, Saltzberg has spent most of his career advising Federal agencies on environmental and energy programs.



Dr. Anita Sanchez is a Board Member of the **Pachamama Alliance** and annually leads a Pachamama Alliance Ecuador Journey into the sacred headwaters of the Amazon to learn from the Achuar and Sapara, dream culture tribes. With four decades of experience coaching and training executives and their teams in Fortune 500 companies, and non-governmental agencies, Sanchez is an established leader in global organizational change initiatives. She bridges indigenous teachings with the latest science to inspire and equip women and men to enjoy meaningful and empowered lives. A member of the Transformational Leadership Council, her newest book is *The Four Sacred Gifts: Indigenous Wisdom for Modern Times*, Simon & Schuster, coming September 2017. Sanchez lives in the foothills of Boulder, Colorado.



Mathew Schmid, principal at **Tree Media**, is presently directing *Operation Total Freedom* a film about Unconditional Basic Income and *Alchemy* a film about upgrading the quality of food, restoring soil health, reversing climate change and, yes, healing the planet through Agriculture. He produced and co-wrote *Green World Rising* with Leonardo DiCaprio, *We*

The People 2.0 and Tree's upcoming films the *Arrow of Time* and *Ice On Fire* with HBO. Previously, he produced and executive produced *Urban Roots*, a film about urban farming in Detroit; and wrote and directed *Giving Birth* a film about making the right choices around pregnancy and birth. He also produced a series on sustainable fashion called *Driving Fashion Forward* with Amber Valletta. Mathew lives with his family in Santa Monica.



Joel Serface is CEO and Co-Founder of **Catalyze**. Catalyze is transforming renewable asset investment and development delivering a data-driven decision platform for Institutional Investors and Developers. Catalyze will massively scale renewable asset investment bringing in more institutional capital, putting it to work in more effective ways, generating enhanced returns, and lowering risks. Its customers will benefit by being able to invest into and develop more projects simultaneously with greater visibility and dynamic control over every step of the development process. The Catalyze team is a blend of renewable developers and technologists that have built the most successful renewable software platforms to date. The Company is led by seasoned industry veterans Joel Serface (Brightman Energy, Kleiner Perkins), James Geshwiler (Converge Ventures, CERA, DOE), and Steve Atherton (Sungevity, SunRun, ClearCommerce).



John Rutherford Seydel III (John R.), an Atlanta native, is the Director of Sustainability in the Office of the Mayor for the City of Atlanta. Seydel works with department leads within the City of Atlanta, as well as with external community partners to achieve Atlanta's sustainability goals. While in his role, Seydel has helped direct efforts throughout sustainability including projects supporting waste diversion, urban agriculture, energy and water efficiency, alternative fuel vehicles, and renewables towards Mayor Kasim Reed's goal for Atlanta to continue as a top-tier city in sustainability. Seydel received his Bachelors in Political Science from the University of Denver. He is an environmental advocate and previously worked in the renewable energy space with the United Nations Foundation and Southern Company. He also currently serves as Associate Trustee for the Turner Foundation.



Daniel A. Shaw is a freelance journalist and musician living in Woody Creek, Colorado. He currently hosts a weekly show called Check 1,2 on Aspen Public Radio, where he interviews musicians who are in town to perform, and he recently wrote a book celebrating the 50-year history of Anderson Ranch Arts Center. He has written for dozens of publications, including the *New York Times*, *Washington Post* and *Los Angeles Times*, on subjects ranging from the US Supreme Court to flyfishing. He is president of the Catto Shaw Foundation, a family foundation that supports organizations and programs that are working in the areas of conservation, creativity and social justice. He has served on the boards of numerous organizations and currently he sits on the Leadership Council of Conservation International and on the board of trustees of the Aspen Center for Environmental Studies and Aspen Country Day School.



Tara McMenamy Sheahan is Founder of **Conscious Global Leadership**. Having experienced a reconnection to Nature through contracting Lyme disease, Sheahan also realized that this beautiful place we call 'home' is truly alive, and we are deeply connected to it. To share her discovery about living in the present moment through breath work, meditation and connecting to Nature-as-teacher she founded Conscious Global Leadership. Together with wisdom school One World Academy, Indigenous wisdom keepers and CGL partners, Sheahan designs and produces workshops, and sponsors events that teach the art of inner listening and becoming free of negative thinking to live 'in a beautiful state.' As Co-Founder of GrandMotherEarth. Us Global Water Protector Campaign, she encourages everyone to take the pledge to clean up Mni 'Water.' In Lakota this means 'My Life.'



Harris Sherman has twice served as **Director of the Colorado Department of Natural Resources** under two Colorado governors, Richard Lamm and Bill Ritter. He was appointed in 2009 by President Obama as Under Secretary for Natural Resources and the Environment where he oversaw the U.S. Forest Service and the Natural Resources Conservation Service. In between his government service, he has been a long time partner at the law firm of Arnold & Porter, resident in its Denver office where he has practiced natural resources, energy, and Native American law. He is a graduate of Colorado College and Columbia University Law School.



Matthew Shmigelsky leads technical advising for a project of the **Colorado Energy Office, Refuel Colorado Fleets**, a program serving all 64 Counties of Colorado in support of deployment of compressed natural gas, propane and electric vehicles and infrastructure for public and private fleets. Shmigelsky is currently developing and leading a crowd funded investment round toward development of a connected DC network in rural corridors of Colorado. Shmigelsky also led the EV Rally of the Rockies event in 2014, highlighting the connection of public-access electric vehicle charging infrastructure on the Western Slope. He holds a B.S. in International Business Administration from Missouri State University.



Rob Sisson is President of **ConservAmerica**. He joined its national staff in 2006 and was appointed President in 2009. In 2008, the Michigan League of Conservation Voters named Sisson "Environmental Leader of the Year" for his work as a two-term Mayor of the City of Sturgis, Michigan. During his tenure as Mayor, the City became a model for sustainable environmental practices, which translated into significant savings for taxpayers. Sisson joined ConservAmerica after a 22-year career in banking. In 2000, he was named Michigan's Small Business Advocate of the Year. He is the author of *Financing the Small Business*. He served two terms as President of the St. Joseph County Economic Development Corporation. Active in politics, Sisson is a City of Sturgis Commissioner and a member of the St. Joseph County Republican Party's Executive Committee.



Albert Slap is President of **Coastal Risk Consulting**, a geospatial data and analytics tech company located in Fort Lauderdale, which has revolutionized coastal climate impact modeling. The environmental attorney and law professor earned a national reputation by leveraging America's environmental laws to protect public health and the environment by challenging water, air and toxic waste polluters, and by forcing local governments to replace aging/polluting sewer infrastructure. Slap has served on the boards of numerous nonprofit conservation organizations, including The Nature Conservancy, Friends of the Everglades, Sierra Club and others. In 2014, Slap received the prestigious Marjory Stoneman Douglas "Defender of the Everglades" Award.



Roger Sorkin is an award-winning **Producer, Writer and Director** of the films *Tidewater* and *The Burden* at the nexus of environment, energy and national security. He is also the Executive Director of the American Resilience Project, which harnesses the power of film to influence public policy, behavioral change, and investments in solutions to our environmental challenges. Sorkin is an alumnus of the U.S. Army War College's National Security Seminar, and a fellow with the Truman National Security Project. He has served as a communications advisor to NATO, a delegate to the Electric Infrastructure Security Council, and he currently serves as an advisor to the Center for Climate and Security.



Ellen B. Stechel is Deputy Director at **ASU LightWorks**, Senior Sustainability Scientist for the Julie Ann Wrigley Global Institute of Sustainability, Managing Director for LightSpeed Solutions, and Professor of Practice at the School of Molecular Sciences at Arizona State University (ASU). Her career has afforded her opportunities to build and/or coordinate research programs at a national laboratory, industry and government agency, and now in higher education at ASU, in both basic and applied research, in techno-economics, commercialization of emerging technologies, and in multi-disciplinary R&D management. Stechel has held and holds numerous positions of an advisory or editorial capacity nationally and internationally and has published >100 peer reviewed articles. Her current research focuses on materials and systems design for concentrating solar technologies to produce sustainable liquid hydrocarbons from carbon dioxide, advanced water splitting, thermochemical energy storage, and clean water.



Dr. Greg Stone, Executive Vice President of **Conservation International**, is one of the world's leading authorities on marine conservation policy and ocean health issues. Stone is a lifelong scientific explorer and prolific diver, with more than 8,000 dives to date in every sea on Earth. He is currently vice chair of the World Economic Forum's Global Council on Ocean Governance and has received numerous awards. Stone has given a TED talk and appeared in Discovery Channel and National Geographic documentaries. He is a National Fellow of the Explorers Club, a recipient of the Pew Fellowship for Marine Conservation, an honorary associate professor at the Leigh Marine Laboratory at the University of Auckland, New Zealand and was named one of the five "Bostonians of the Year" by the Boston Globe in 2008. His most recent book, *Underwater Eden*, was released in December 2012 by University of Chicago Press.



Douglas Stoup is the Founder and President of both Ice Axe Expeditions and the Ice Axe Foundation. As the world's leading polar adventurer, having skied to both the North and South Poles more than anyone on the planet, Stoup has led international scientific expeditions to both poles, including Poletrack, in which he pioneered locator beacons that track climate change for scientists. He is an educator dedicated to sharing the profound beauty and fragility of our planet and continues to push the limits of human endurance leading disabled adventurers in the polar environments while raising monies for charities. He's an explorer, environmentalist, humanitarian, father, and husband.



Peter Stricker is CEO of P4P Energy, a structural technology company utilizing architectural design principles and highly efficient engineering to enable exponential new growth in solar energy. Stricker is a longtime renewable energy believer and startup company flag-bearer, who has worked exclusively in the renewables business for over 20-years, long enough to claim participation in not only startup companies, but a startup industry as well. His wide-ranging experience extends from managing global engineering services, to leading project development, to directing business development. Stricker has held leading positions with Zond Energy Systems, Enron Wind, Clipper Windpower, NRG Energy and Edison. In his current role, Stricker is guiding P4P's transition from an innovative design and license group to a competitive solar suspension product company capable of opening substantial new solar markets.



Kyle Sundman is a Project Developer at Oak Leaf Energy Partners in Denver, CO, a nationwide leader in solar energy in both installed capacity and the portfolio of projects under development. The company's focus is on assisting clients such as municipalities, school districts, utilities and real estate developers deploy commercial and utility scale renewable energy projects through both on site PPA's as well as the 'community solar' structure. Oak Leaf finances their nationwide projects off balance sheet by leveraging relationships with large institutional tax equity investors. Sundman earned an MBA from the University of Denver in 2016 concentrated in Sustainable Business Strategy.



Sue Thompson is Founding Director of Wildlife Protection Solutions. She has extensive experience with both for-profit and nonprofit organizations. For over 23 years, Sue was involved with two for-profit software companies, Columbine Systems, Inc. and Antalys, Inc., where she held key management positions including Vice President, Vice President of Sales and Marketing, and Chief Financial Officer. She is also a Principal in two real estate investment companies, Indigena, LLC and Laramie Ridge, LLC. Thompson is currently on the board of Four Winds Interactive and the Boulder Kathmandu Sister City Project. She loves nature and is an outdoor enthusiast and animal lover. She is thrilled to bring her broad-minded acuity in both for-profit and nonprofit organizations to her lifelong value for preserving lands and protecting the wild animals that live there.



Keith Tuffley is Managing Partner and CEO of The B Team, a group of global business leaders who have come together to drive a better way of doing business for the wellbeing of people and planet. He is also the Founder and Chairman of NEUW Ventures SA. NEUW is an entrepreneurial impact investing company focused on the creation and financing of new businesses which reduce the human ecological footprint and accelerate the world's transition to a sustainable economic system. Tuffley has spent over 25 years in finance, investment banking and the capital markets, and was previously Managing Director and Head of Investment Banking at Goldman Sachs in Australia.



Thomas Van Dyck is Managing Director and Financial Advisor at SRI Wealth Management Group and RBC Wealth Management. He has been a leader in the field of socially-responsible investing for more than 30 years. At RBC Wealth Management, he consults on \$1.7 billion of ESG-screened assets. In 1992, he founded As You Sow, a shareholder advocacy organization, which engages corporations on environmental, human/labor rights and corporate social responsibility initiatives.* In 2014, Van Dyck was a featured guest on Bill Moyers and Company and discussed the Divest/Invest movement which he helped initiate with his clients. In 2013, he was named one of the Financial Times' Top 400 Financial Advisors. He was also a featured speaker at the TedX Wall Street conference in 2012 and provided his expertise on ESG investing. *RBC Wealth Management does not endorse or support As You Sow.



Sandra Vanderstoep is the dc Project Director for the Alliance for Sustainable Colorado. Vanderstoep is focused on enhancing the effectiveness of The Alliance Center to insure that this flagship building provides the setting for a productive, collaborative setting that makes a difference in our world. She is currently focused on shepherding the dc Project and developing funding sources that contribute both to the bottom line and to establishing long-term partnerships for The Alliance Center. After a career in academia, Dr. Vanderstoep's entrepreneurial genes kicked into high gear. She completed an MBA in Marketing and Decision Theory as prelude to a serial entrepreneurial career. The challenges of business startup and growth provided opportunities to work in business ownership and management. In each of these diverse settings, she developed passionate, productive teams that worked together to make the world a better place.



Jonathan Voss is Vice President of Lake Research Partners, he joined them in 2011 and has a wide-range of experience conducting quantitative and qualitative research. A trained focus group moderator, he currently works to protect the environment for future generations, ensure every child has a quality public education no matter their zip code, restore the economic balance to sustain working families, and ensure people can retire in dignity. Prior to joining LRP, Voss conducted research for numerous local, congressional, and statewide campaigns and ballot initiatives. Voss provided strategic guidance for international campaigns, issue coalitions, corporations and nonprofit organizations. Originally from Orange County NY, Voss has a master's degree in public administration from NYU's Robert F. Wagner School of Public Service and a bachelor's degree in politics from NYU.



Dave Weidner is Founding Director of **Wildlife Protection Solutions** and has a strong history of leadership in for-profit companies. His legacy has been in the software industry, where he founded two successful software companies, Four Winds Interactive, which has ranked in the 'Top 50' list of Forbes most promising companies two years in a row, and Antalys, Inc. He is also a Principal in two real estate investment companies investing in land, residential, and commercial properties. Over the years, Dave's love of nature has led to numerous land acquisitions and subsequent conservation easement agreements, ensuring the continued welfare of the land and its key habitats. With Wildlife Protection Solutions, he combines his enterprising nature, high-tech background, and love of animals to provide technology solutions to wildlife conservation.



Rick Whisman joined **EnSync Energy Systems** in October 2015 as the **Vice President of Sales**. He has a distinguished sales and business development track record in the commercial and industrial energy market for over 20 years. Prior to joining EnSync, Whisman was Founder and President of Sol Patch Resources, a boutique solar energy project development company. Before starting Sol Patch, he held various direct sales and sales management roles with PowerLight Corporation and SunPower Corporation from 2001 to 2014; most recently as Director of Commercial Accounts serving Fortune 500 companies. SunPower is a solar industry pioneer and a leading vertically integrated provider of solar power solutions. He has a Bachelor of Arts degree in History from the University of California at Berkeley and a Bachelor of Science degree in Industrial Engineering from Cal Poly-San Luis Obispo.



Jim White is a Professor in the Departments of **Geological Sciences and Environmental Studies Program at the University of Colorado Boulder and the Director of the Institute of Arctic and Alpine Research**. He is the founding Chair of Environmental Studies Department at CU. He actively explores new paradigms of interdisciplinary education and research in the areas of sustainability and environmental change. White is active in outreach and has given over a hundred public lectures on climate change and sustainability. His two main research areas are reconstructions of past climates from ice cores and past and modern controls on the carbon cycle, including methane. White is a highly cited author on over 160 peer-reviewed publications, including more than thirty in the high-profile journals *Science* and *Nature*.



Thomas Winston is the Founder and President of **Grizzly Creek Films**, a full service production company that has created original series and specials for The National Geographic Channel, NatGeo WILD, History Channel and PBS. His films have been winners and finalists at Wildscreen Festival, the Jackson Hole Wildlife Film Festival and the Banff Mountain Film Festival.



Todd Woody is Executive Editor for **Environment at News Deeply**. A veteran environmental journalist based in California, Todd previously served as editorial director for environment at *TakePart*, a digital magazine owned by Participant Media. He formerly was the environment editor at *Forbes* magazine, a senior editor at *Fortune* magazine, an assistant managing editor at *Business 2.0* magazine and the business editor of the *San Jose Mercury News*. He has been a frequent contributor to *The New York Times*, *The Atlantic*, *Quartz* and other publications on renewable energy and other green technologies and environmental issues.



Julie Ann Wrigley is a business leader, lawyer, investor, avid equestrian, and philanthropist who is committed to sustainability and the environment, health care and education. She provided the vision and investment to create the Julie Ann Wrigley Global Institute of Sustainability at Arizona State University. She is also co-founder, with her late husband, of the USC/Wrigley Institute for Environmental Studies. She holds a bachelor's degree in anthropology from Stanford University and a Juris doctorate, summa cum laude, from the University of Denver's College of Law.



Andrea Strimling Yodsampa is CEO of **DEPLOY/US**, a non-partisan not-for-profit focused on pragmatic, market-based climate and clean energy solutions. DEPLOY/US convenes, connects, and engages an influential network of leaders and organizations to amplify and accelerate impacts. Yodsampa brings to this work two decades of experience in negotiation, strategic alliances, and "unexpected partnerships". She has advised the US military, Fortune 500 companies, and leading entrepreneurs on negotiation and strategic collaboration. She co-founded the Alliance for Peacebuilding and played a leadership role in developing resilience assessment and planning tools that have been piloted by the U.S. Department of State and NATO Training Mission – Afghanistan (NTM-A). Yodsampa holds a B.A. from Dartmouth College, a MPP in Energy and Environmental Policy from the Harvard Kennedy School, and a Ph.D. from the Fletcher School, Tufts University.

"There can be nothing in the world more beautiful than the Yosemite, the groves of the giant sequoias and redwoods, the Canyon of the Colorado, the Canyon of the Yellowstone, the Three Tetons; and our people should see to it that they are preserved for their children and their children's children forever, with their majestic beauty all unmarred."

— Theodore Roosevelt



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ON THE SNOWMASS VILLAGE MALL

Thursday: 3pm – 9pm

Friday: 10am – 6pm

Saturday: 10am – 4pm

ENGAGE

AREDAY Expo!

A showcase for local, regional and national organizations and companies with a focus on energy efficiency, renewable energy, sustainable initiatives, or eco-friendly products that will also include workshops, guest speakers and music.

Participants Include:

AREI
Aspen Solar Inc.
Carol Dopkin-Engle & Völkers
EcoFlight
Elevated Elixirs
Filanthrope
Freedom Folding Bikes

Indivisible Aspen
Moon Mamas Imaginarium
Rocky Mountain Wolf Project
Sagesse Holdings, LLC
Valle Musico
Western Resource Advocates
Y on Earth Foundation



EXPLORE

VALLE MUSICO

Saturday: 12pm – 4pm

EXPLORE

AREDAY ELECTRIC

A featured selection of electric and hybrid vehicles with opportunities available to test drive, speak with EV owners and learn about state and federal tax cuts for EV purchases.

Participants Include:

Mountain Chevy - Volt and Bolt
Glenwood Springs Audi - A-3 e-tron
BMW of Denver Downtown - 2017 X5 40e
Boulder Nissan - LEAF
Tesla Aspen - Model S and Model X



Vendor Exhibits in YELLOW zone below



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🌱 AREDAY Expo! Participants

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Aspen Solar Inc.
Carol Dopkin-Engle & Völkers Aspen
EcoFlight
Elevated Elixirs
Filanthrope
Freedom Folding Bikes
Indivisible Aspen
Moon Mamas Imaginarium
Rocky Mountain Wolf Project
Sagesse Holdings, LLC
Valle Musico
Western Resource Advocates
Y on Earth Foundation

🌱 Community Conversations Participants

About Saving Heat: Scott Mills
Clean Energy Action: Leslie Glustrom
Kindness Action Network: Tina Staley
Y on Earth: Aaron Perry & Winter Wall
Yoga, Wellness, and Consciousness:
Aspen Shakti Shala



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***"No water, no life.
No blue, no green."***

— Sylvia Earle

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COUNCIL



ConservAmerica



COMMUNITY CONVERSATIONS



COMMUNITY CONVERSATIONS will feature a variety of workshops, presentations, local leader panels, and other movers and shakers focusing on resilience within the climate change, renewable energy and sustainability world, taking place on the Fanny Hill Stage, June 23 and 24. Through active engagement, Community Conversations will focus on how we, as individuals, can contribute to community resilience and climate change solutions as conscious members of society.

.....

COMMUNITY CONVERSATIONS takes place alongside the AREDAY EXPO! and will focus on community resiliency featuring local leaders in sustainability, renewable energy, energy efficiency, consciousness and mindfulness including local food, water and energy issues. The EXPO! will also include live music and family friendly activities for everyone. Additionally, *AREDAY ELECTRIC*, an electric vehicle exhibit features best-in-class Zero and Low Emission vehicles available for test drives. The AREDAY EXPO! will be kicked off on Thursday, June 22nd with a free outdoor concert by Brothers Keeper with John Popper and featured guests guitarist Dwight Ferrin, DJ Spooky with Sgt. Pepper at 50 and remarks by Michael Brune, CEO of the Sierra Club, at the base of Snowmass Mountain, typically attracting 3,000 - 4000 attendees.

CONTACT:

Please email Taylor Barry with any questions,
taylor@areinstitute.net

DATE:

Friday June 23 & Saturday June 24

EVENT TIME:

10:00am-4:00pm
(1 hour time slots per presenter)

LOCATION:

Fanny Hill Stage in Snowmass

PARTICIPANTS INCLUDE:

About Saving Heat: Scott Mills
Clean Energy Action: Leslie Glustrom
Kindness Action Network: Tina Staley
Y on Earth: Aaron Perry & Winter Wall
Yoga, Wellness, and Consciousness:
Aspen Shakti Shala





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AREDAY Notes

“Plans to protect air and water, wilderness and wildlife are in fact plans to protect man.” — Stewart Udall

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