

6-6-2012

AGENDA: A Low-Carbon Energy Blueprint for the American West

University of Colorado Boulder. Natural Resources Law Center

University of Colorado Boulder. Renewable and Sustainable Energy Institute

Western Resource Advocates

Rocky Mountain Research Station (Fort Collins, Colo.)

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2012 Clyde Martz Summer Conference



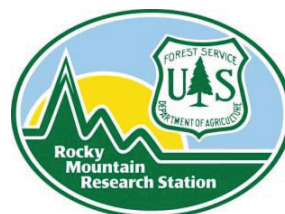
A Low-Carbon Energy Blueprint for the American West



JUNE 6-8, 2012

**UNIVERSITY OF COLORADO LAW SCHOOL
Wolf Law Building
Boulder, Colorado**

Sponsored by:



The Natural Resources Law Center's
2012 Clyde Martz Summer Conference

A Low-Carbon Energy Blueprint for the American West

The future of the planet may depend upon our ability to increase energy supplies even as we reduce carbon emissions. This conference will address how a low-carbon energy program might evolve with a particular focus on the American West.

CLE credits: 20.8 (19 General, 1.8 Ethics)

University of Colorado Law School — Wolf Law Building Courtroom, Boulder, Colorado

Wednesday — June 6, 2012

OPENING SESSION

3: 00 – 3:05 p.m. **WELCOME:** **Phil Weiser**, Dean, University of Colorado Law School

3:05 – 4:30 p.m. **WHAT DOES A LOW-CARBON FUTURE LOOK LIKE?**

This session will map out the global and national-level legal and policy changes that will be necessary to achieve a low-carbon future. What does a successful transition to a low carbon energy future look like? What is the path to get there? What are the challenges that society will face to make it happen?

Moderator: **Mark Squillace**, Director, Natural Resources Law Center, University of Colorado Law School
Presenters:

Robin Newmark, PhD, Director, Strategic Energy Analysis Center, National Renewable Energy Laboratory (NREL), Lakewood, CO

Commentators:

Albert Chan, Consultant, Energy and Resources Team, Rocky Mountain Institute

Tom Kenworthy, Center for American Progress, Golden, CO

Karin Sheldon, Executive Director, Western Resource Advocates, Boulder, CO

4:30 – 5:00 p.m. **BREAK**

5:00 – 6:15 p.m. **KEYNOTE:** *Energy Outlook* — Broad overview of where energy seems to be heading over the next 10–20 years.

Keynote Speaker: **Bill Ritter**, Executive Director, Center for the New Energy Economy (CNEE), Colorado State University, Fort Collins, CO

Commentators:

Tom Kenworthy, Center for American Progress, Golden, CO

Karin Sheldon, Executive Director, Western Resource Advocates, Boulder, CO

Thursday — June 7, 2012

THE OVERARCHING ISSUES

8:30 – 10:00 a.m. ENERGY/WATER NEXUS: THE ROLE OF WATER IN A LOW CARBON ENERGY FUTURE: *Water for Energy/Energy for Water*

Moderator: **Doug Kenney**, Director, Western Water Policy Program, Natural Resources Law Center, University of Colorado Law School, Boulder, CO

Speakers/Panelists:

***Water for Energy:* Kristen Averyt**, Deputy Director, Western Water Assessment, University of Colorado, Boulder, CO

***Energy for Water:* Stacy Tellinghuisen**, Senior Energy/Water Policy Analyst, Western Resource Advocates, Boulder, CO

***Water's Effect on Transmission Planning:* Tom Iseman**, Program Director - Water Policy and Implementation, Climate Adaptation, Western Governors' Association, Denver, CO

Commentator: **Robert Wilkinson**, Bren School of Environmental Science & Management, University of California, Santa Barbara, CA

10:00 – 10:30 a.m. BREAK

10:30 a.m. – Noon THE FUTURE OF CONVENTIONAL FUELS: *Can We Make Conventional Fuels Work in a Low Carbon Energy Society?*

Conventional fuels will remain a significant part of the energy portfolio for the foreseeable future. How can we continue to make productive use of these fuels in a low carbon energy economy?

Moderator: **Bruce Kramer**, Maddox Professor of Law Emeritus, Texas Tech University School of Law; Of counsel to McGinnis, Lochridge & Kilgore, Houston, Texas; and Adjunct Professor of Law, University of Colorado Law School, Boulder, CO

Speakers/Panelists:

The Role of Natural Gas as a "Bridge" Fuel

Matthew Most, Vice President—Environmental Policy, Encana Natural Gas, Inc., Denver, CO

Rebecca Watson, Welborn Sullivan Meck & Tooley, PC – Denver, CO

Coal and Carbon Sequestration — Will it work? Is it Cost-Effective?

Dag Nummedal, Director, Colorado Energy Research Institute and Scientific Director, Carbon Management Center, Colorado School of Mines, Golden, CO

Noon – 1:00 p.m. LUNCH ON THE PLAZA (sponsored by the *CU Environmental Law Society*)

1:00 – 2:15 p.m. TRANSMISSION and SITING

Even assuming we can develop renewable energy at a scale necessary to substantially reduce our carbon footprint, systemic challenges will have to be overcome. This panel will address those challenges and how to confront those issues.

Moderator and commentator: **Rich Halvey**, Program Director – Energy, Western Governors' Association

Speakers/Panelists:

Public Land Siting:

Steve Black, Counselor to the Secretary, U.S. Department of the Interior, Washington, D.C.

The Role of Transmission in Renewable Energy:

Gary Graham, Director of the Lands Program, Western Resources Advocates, Boulder, CO

Keith Sparks, Director of Development, Clean Line Energy Partners LLC, Houston, TX

RENEWABLES

2:15 – 3:30 p.m. **RENEWABLE ENERGY OPTIONS**

Wind, solar, and biofuels resources may hold the key to our renewable energy future. This panel will explore the opportunities presented by these options and the current constraints on their widespread adoption and use. The opportunities side will focus on technologies; the constraints side will look at the legal, policy, economic, and practical constraints.

Moderator: Marilyn Averill, Attorney and Doctoral Student in Environmental Studies, Center for Science and Technology Policy Research, University of Colorado, Boulder

Speakers/Panelists:

Tom Jensen, Partner, Holland & Hart LLP, Washington, DC

Maureen Hand, Senior Engineer, Technology Systems and Sustainability Analysis Group, Strategic Energy Analysis Center, National Renewable Energy Laboratory (NREL), Lakewood, CO

Commentator: Paul Komor, Associate Director CU-Programs, Renewable and Sustainable Energy Institute (RASEI), University of Colorado, Boulder

3:30 – 4:00 p.m. **BREAK**

CONSERVATION

4:00 – 5:30 p.m. **LESS DEMAND, LESS CARBON: Conservation and Efficiency in the Foundation of a Sustainable Energy Policy**

Part of the strategy to achieve a low-carbon future depends on reducing energy demands overall. A 2010 report by the National Academy of Science concluded that energy-efficient technologies that exist today for residences and commercial buildings, transportation, and industry, or that are expected to be developed in the normal course of business, could potentially save 30% of the energy used in the U.S. economy as well as save money. For its part, the Northwest Power and Conservation Council's most recent power plan estimates that 85% of the region's load growth in the next two decades will be met by aggressive conservation measures. This session will feature the Council's strategy as well as energy efficiency progress and goals in the Southwest region.

Moderator: Michael Shepard, President and CEO, E Source

Speakers:

Howard Geller, Executive Director of Southwest Energy Efficiency Project (SWEET), Boulder, CO

John Volkman, General Counsel/Policy Director, Energy Trust Oregon, Portland, OR

Commentator: Mathias Bell, Consultant, Electricity, Rocky Mountain Institute

5:30 p.m. **RECEPTION**

(Please thank our reception sponsor – Western Resource Advocates)

Friday — June 8, 2012

POLICY

8:30 – 10:00 a.m. INVESTING IN ENERGY

Decisions to proceed with new energy development will depend, in substantial part, on the views of investment community. How do conventional fuel projects stack up against renewable projects, and which among them is most likely to obtain the capital needed to succeed? And how do incentive programs figure into the equation? The panel will address these critical questions.

Moderator: **David Bailey**, Environmental Director, Thompson Creek Metals Company, Denver, CO

Panelists:

Renewables: **Jonathan Silver**, Distinguished Senior Fellow, Third Way (former Executive Director of DOE's Loan Programs Office)

Conventional Energy: **Julien Dumoulin-Smith**, Director, Equity Research, Electric Utilities & IPPs Group, UBS Securities LLC, New York, NY

Commentators:

Gwen Farnsworth, Senior Energy Policy Advisor, Western Resources Advocates, Boulder, CO

Ron Lehr, Attorney and Western Representative at American Wind Energy Association, Washington, DC

10:00 – 10:30 a.m. BREAK

10:30 a.m. – Noon THE ROLE OF CLIMATE POLICY: Local, State, National, and International

Moderator: **William Boyd**, Associate Professor of Law; Faculty Director of Energy Innovation Initiative, the University of Colorado Law School, Boulder

Speakers/Panelists:

Jack Ihle, Manager, Environmental Policy, Xcel Energy

Vickie Patton, General Counsel, Environmental Defense Fund, Boulder, CO

Holly Stout, California Air Resources Board

Noon – 1:30 p.m. LUNCH ON YOUR OWN

1:30 – 3:00 p.m. ENERGY JUSTICE (1.8 CLE Ethics credits)

How might the transition to a low carbon energy program impose disparate impacts on poor, minority, and disadvantaged people? How might the transition improve their lot? How should these issues be addressed in the transition process?

Moderator: **Sarah Krakoff**, Professor of Law University of Colorado Law School, Boulder

Speakers/Panelists

Ethics Framework: **Marilyn Averill**, Attorney and Doctoral Student in Environmental Studies, Center for Science and Technology Policy Research, University of Colorado, Boulder

Intersection of Federal Energy Policies with Indian Trust & Sovereignty: **Jennifer Turner**, Attorney-Advisor—Division of Indian Affairs, Office of the Solicitor, Dep't of the Interior, Washington, DC

Health and Environmental Justice Policies: **Jim Martin**, Regional Administrator, Region 8, U.S. Environmental Protection Agency, Denver, CO

Commentator: **Kim Craven**, Senior Project Leader in the Integrated Applications Center at NREL, Golden, CO

3:00 – 3:30 p.m. BREAK

Friday — June 8, 2012—continued

OPPORTUNITIES — NEXT STEPS

3:30 – 4:45 p.m. A wrap-up of themes and findings, and identification of elements for a roadmap forward, including effects of these findings for the upcoming elections.

Moderator and Panelist: **Guy Martin**, Perkins Coie, Washington, DC

Panelists:

Tom Jensen, Partner, Holland & Hart LLP, Washington, DC

Victoria Mandell, Senior Staff Attorney, Western Resources Advocates, Boulder, CO

Guy Martin, Perkins Coie, Washington, DC

About the NRLC Martz Summer Conference

Since 1980, the University of Colorado Law School has convened an annual summer conference on leading issues in natural resources law and policy. The summer conference was instrumental in the decision to establish the Natural Resources Law Center in 1982, and the Center has hosted the summer conference ever since.

The NRLC's popular summer conference is renowned for its success in bringing together the leading lawyers and policy-makers of the day to engage a sophisticated audience in an informed discussion and debate over natural resources policy. The NRLC summer conference regularly attracts prominent national speakers.

In 2009, the NRLC named its summer conference to honor Clyde O. Martz. Over his long and distinguished career, Clyde Martz has worn many hats. He began his career as a law professor at the University of Colorado, where he wrote the first casebook on natural resources law, at a time when it was not even recognized as a distinct field of study. Eventually, Clyde left teaching to practice law with the law firm of David, Graham, and Stubbs, where he remained for most of his remarkable career. On two occasions, however, Clyde left practice to enter public service, first to serve as the Assistant Attorney General for Land and Water Resources during the Lyndon Johnson Administration, and subsequently to become the Interior Solicitor during the Jimmy Carter Administration. Beyond his many professional accomplishments, Clyde was a leading promoter of the field of natural resources law. He was a founder and one of the first presidents of the Rocky Mountain Mineral Law Foundation, and he was the chair of the committee that led to the founding of our own Natural Resources Law Center. Naming the summer conference in honor of Clyde reminds us of the important role that the Center has to play in the national debate over natural resources policy. We hope you will join us in shaping that debate.

The NRLC's annual summer conference hosts outstanding faculty, scholars, public officials, and students who gather to discuss the complex and fascinating issues that dominate the field of natural resources law and policy. The NRLC will administer the summer program in a way that honors Clyde's singular contributions to the profession.

