

Second Annual U.C. Hastings Cleantech Roundtable:
Hot Topics in Cleantech Law

The Future of Electric Energy Storage in California

Electric Energy Storage (EES) has long been seen as the key to unlocking California's renewable energy potential. By allowing the energy from wind, solar and other renewables to be stored for future use, EES has the potential to fundamentally transform the way we use electricity. However, despite advances on the technology and policy front, the future of this industry still depends on the ability of California to embrace this opportunity and overcome the myriad challenges inherent in a transition as profound as this promises to be. Come hear from the leading minds in the utility, regulatory, and investment communities as they discuss the future of this potentially transformative industry in California.

Schedule – Tuesday, April 12, 2011, Alumni Reception Center, University of California, Hastings College of the Law, 200 McAllister Street, San Francisco, CA 94102.

- 8:30 a.m.: Registration
- 9:00 a.m.: Dean's Welcome
- 9:15 to 10:30 a.m.: Panel 1: The Role of EES in California's Clean Energy Future
- 10:45 to 12:00 p.m.: Panel 2: California's Roadmap for EES Integration
- 12:00 to 1:00 p.m.: Lunch (provided)
- 1:00 to 2:15 p.m.: Panel 3: The Smart Money in California's EES Market
- 2:15 p.m. onward: Networking Reception (wine and hors d'oeuvres provided)

Panel 1: The Role of EES in California's Clean Energy Future

This panel will introduce the conference topic by first explaining why viable, cost-effective energy storage is critical to ensure that California achieves its renewable energy goals. The panel will provide an overview of the obstacles to large-scale energy storage integration and explain how advances on the technology and policy front have brought the industry to the edge of a major breakthrough. The panel will introduce the recent state and federal policies that have helped California become a leader in energy storage, with over a billion dollars invested in the industry. Along the way, the panel will introduce the various energy storage technologies and provide a summary of the numerous pilot projects being implemented in California today.

- David L. Benson, Partner, Stoel Rives
- Michael Kanellos, Greentech Media
- Ethan Elkind, Bank of America Climate Change Research Fellow, UC Berkeley School of Law/UCLA School of Law
- David MacMillan, President and Co-Founder, Megawatt Storage Farms
- David Takacs, Visiting Professor, UC Hastings College of the Law (moderator)

Panel 2: California's Roadmap for EES Integration

California passed a landmark energy storage law in late 2010, galvanizing efforts by the state's energy regulatory agencies to lay the foundation for utility-scale energy storage implementation. But realizing this goal will require solving a number of policy challenges, not least among them how to conceptualize the role of EES in an energy system that was built around the traditional model of energy generation and

transportation. This panel will provide an overview of the challenges to EES integration and an insider's perspective on how they will likely be addressed.

- Michael Colvin, Policy and Planning Division, California Public Utilities Commission
- Hal LaFlash, Director of Emerging Clean Technologies, PG&E
- Paul Clanon, Executive Director, California Public Utilities Commission
- Avtar Bining, Ph.D., Program Manager - Energy Storage, California Energy Commission
- Alex Morris, Advanced Technology, Strategy and Planning, Southern California Edison (moderator)

Panel 3: The Smart Money in California's EES Market

The panel will discuss the size of California's EES market, when it will come to fruition, and what it will take to get there. The panel will provide an investor's perspective on the merits of competing energy storage technologies and the challenge of overcoming barriers to large-scale integration. The panel will include a discussion of the next-generation energy storage technologies currently under development and how they will affect the market for energy storage in the future. The panel will discuss trends in investment and the business models that attracting the most attention from investors. The panel will also weigh in on the emerging policies in California and nationally to explore how they have worked so far and whether they will succeed in stimulating future growth in the EES industry.

- Mark Johnson, Ph.D., Program Director, Grid-Scale Rampable Intermittent Dispatchable Storage (GRIDS) program, Department of Energy, ARPA-E
- Mark Platshon, Partner, Cleantech Group, VantagePoint Venture Partners
- Jan C. Paulin, CEO, Cielo Wind Services, Inc.
- Sylvia Burks, Partner, Pillsbury Winthrop Shaw Pittman LLP
- Kelsey B. Lynn, Partner, Firelake Capital Management (moderator)

REGISTRATION: <http://www.uchastings.edu/media-and-news/event/2011/03/cleantech.html>

For information on the previous UC Hastings Cleantech Roundtable, please visit:

<http://www.uchastings.edu/faculty-administration/academic-dean/clean-tech-conf.html>