

2018 SOLAR CONFERENCE

Solar Power: Past, Present, and Its Future in Inland Southern California

March 1, 2018

8:00 a.m. to 4:00 p.m.

Bourns Technology Center, 1200 Columbia Ave., Riverside, CA 92507

Conference Overview

This fourth annual conference is designed for city leaders, planners, council members, businesses, utility companies, and the general public. Panelists will present on the state of solar energy by discussing the latest technology, public policy/regulations, economics, and the associated environmental/sustainability benefits of renewable energy. Attendees will learn about the challenges and opportunities for incorporating solar energy plus batteries and deploying microgrid systems in their communities, including revenue opportunities, local policies, and initiatives already in place.

Panel Discussions

Panel 1: The State of Solar Energy

The panelists will discuss the state of the solar energy industry from a variety of perspectives, focusing on the opportunities for solar energy, and how to effectively address the challenges facing this industry as it continues to rapidly grow and achieve higher levels of penetration in the energy generation market. The role that policy, economics, and technology have played in the success of solar energy will also be discussed.

Panel 2: Energy Research at the University of California

The panelists will discuss existing energy research at the University of California. Each campus will present their current work and efforts toward supporting the increase in penetration of distributed energy resources, as well as meeting the goal by the University of California to become carbon neutral by 2025. This discussion will be approached from the perspective of applied research that has the potential to translate into practical applications.

Panel 3: Solar + Energy Storage Advanced Technologies

The panelists will discuss a variety of breakthrough technologies that support and improve the economics of solar energy projects by adding value in the form of improved performance and lowered costs. These include technologies that combine solar with energy storage solutions to enable cost and performance analysis, properly size energy storage based on load profiles, participate in demand response, and achieve 24/7 system optimization.

Panel 4: The Power of Microgrid Systems

The panelists will discuss the value proposition of micro-grid systems in providing services and benefits not only to the system owners, but also to power utilities enabling reliability, robustness, and stability of the grid. Case studies that showcase the ability to dispatch and control in real-time renewable generation, energy storage, and load demand will be highlighted on this panel.

Presented by:

The University of California, Riverside

Center for Sustainable Suburban Development

Center for Environmental Research and Technology

Southern California Research Initiative for Solar Energy