

DIGITAL ENERGY



Annual Member Meeting • Gridvolution

September 27, 2018 • Anaheim, CA

PARTNER
EVENT

SOLARPOWER
INTERNATIONAL

AGENDA

WELCOME!

Annual Member Meeting

- 7:45 AM** Member Meeting Registration – Coffee & Networking
- 8:00 AM** Member Meeting

Digital Energy Solar & Storage Finance Summit

- 9:00 AM** Summit Registration & Networking
- 9:30 AM** Streamlining Financial Market Availability of DER Assets through Orange Button
- 10:00 AM** Addressing Safety Mandates –
Communication Interoperability Solutions for NEC 2017 Rapid Shutdown Compliance
- 10:30 AM** Break
- 10:45 AM** Building the Digital Grid – CA Rule 21 and Interoperability
- 11:30 AM** Cyber Security – Ensuring DER Systems on the Grid are Secure
- 12:00 PM** Closing statement

Breakout

- 11:30 AM** Rapid Shutdown Marketers Meeting

Smart Inverter Working Group

- 1:00 PM - 2:30 PM** California Public Utility Commission Smart Inverter Working Group (SIWG) In-Person SPI Meeting

Upcoming California Rule 21 Classes



Thank You!

The SunSpec Alliance initiatives discussed today are a result of this project support:

SunSpec Open Solar Data Exchange (Orange Button)

Supported by the U.S. Department of Energy funding opportunity DE-EE0007316, this project establishes a uniform data taxonomy for interchange of interoperable datasets created throughout the lifecycle of a solar project which reduces soft costs and accelerates development of interoperable solutions at low costs.

Impact Assessment and Secure Implementation of CA Rule 21 Phase 3 Smart Inverter Functions to Support High PV Penetration

Supported by the State of California under CEC Grant Agreement EPC-16-079, this project assesses impact and secure implementation of CA Rule 21 Phase 3 Smart Inverter functions and also assesses cybersecurity and provides deployment of the digital certificate infrastructure needed to support the IEEE 2030.5 requirements identified in Phase 2.

Certified Open-Source Software to Support the Interconnection Compliance of Distributed Energy Resources

Supported by the State of California under CEC Grant Agreement EPC-15-044, this project accelerates the widespread availability of DER projects and aggregated services that meet California Rule 21 by developing, certifying, and testing an open source IEEE 2030.5 client.

Expanding Standards and Developing Tools to Enable DNP3 Support for Energy Storage

Supported by the State of California under CEC Grant Agreement EPC-15-089, this project focuses on the development and expansion of communication standards to help maximize the benefits that utilities and ratepayers receive from energy storage systems.

Enabling Extreme Real-Time Grid Integration of Solar Energy (ENERGISE)

Supported by the U.S. Department of Energy funding opportunity DE-FOA-0001495, this project creates a Distribution Resource Open Management Optimization System (DROMOS) that addresses the spectrum of DER management, including: state estimation, voltage regulation, protection, economic optimization, communications and cybersecurity and will provide real-time visibility into distribution circuits and will optimize the P/Q settings to meet voltage regulation, protection and economic objectives in the presence of forecast uncertainty.

Smart Inverter Interoperability Standards and Open Testing Framework to Support High- Penetration Distributed Photovoltaics and Storage

Supported by the State of California under CEC Grant Agreement EPC-14-036, this project develops, demonstrates, and evaluates a complete solar PV with distributed energy resources system that will address key barriers impeding the progress toward high penetration of solar PV and DER, while improving grid stability and increasing cost effectiveness.