

24 May 2018

Program: CEM9 Side Event Perspectives on Energy Storage Systems

This event is a forum for knowledge exchange on smart use of energy storage systems as a key enabler for renewables. The focus will be on the electric power system and its interaction with energy storage, e.g. in batteries, hydrogen, hydro reservoirs and thermal solutions.

The anticipated outcome is to highlight desired developments in technology and regulatory frameworks to support the viable use of storage for energy system decarbonisation.

The results of the event will inform a Case Book on Energy Storage Systems to be published by ISGAN – International Smart Grid Action Network.

The event is organized by ISGAN in collaboration with the CEM-initiative 21CPP – 21st Century Power Partnership and Mission Innovation; Smart Grids Innovation Challenge.

Time and Location: 09:30 – 10:30 on 24 May 2018, Strandgade 27B, 1401 Copenhagen K., Room 7.

Moderator: Helen Clarkson, CEO, The Climate Group.

Program

09:30 – 09:35 Welcome. Dr Magnus Olofsson, ISGAN Annex 2.

09:35 – 09:45 Keynote. Setting the scene – underlining the importance of storage in facilitating power systems with a large share of wind and solar power.

Dr Lawrence Jones, Vice President International Programs, Edison Electric Institute.

09:45 – 10:03 Six minutes presentations on storage applications:

09:45 – 09:51 Short-term chemical energy storage – use of batteries for short-term power system balancing.

Luciano Martini, Director Transmission and Distribution Technologies, RSE.

09:51 – 09:57 Long-term chemical energy storage – electrofuels for weekly/monthly storage.

Richard Nayak-Luke, Stipendiary Lecturer in Engineering, University of Oxford.

09:57 – 10:03 Thermal energy storage – use of thermal inertia in buildings to reduce electricity peak demand. Example from Sweden.

Joachim Lindborg, CTO, Sustainable Innovation.

10:03 – 10:20 Panel. Discussing: Need of technological and regulatory developments to support growth in sustainable energy storage empowering clean electric power systems.

Finally, a dialogue on storage vs grids – Powerwall vs Global Grid. What is most viable?

Panelists:

Bo Hesselbæk, Senior Director Power Plant Products, Vestas.

Dr Lawrence Jones, Vice President, International Programs, Edison Electric Institute.

Bo Normark, Thematic Leader Smart Grids and Electric Storage at EIT InnoEnergy/European Battery Alliance.

Dr Jonas Persson, Head of Section Power Technology, Vattenfall R&D.

10:20 – 10:25 Summary and closing of the seminar.

Organizing committee contact: Dr Magnus Olofsson, ISGAN Annex 2,
magnus.olofsson@energiinstitutet.se