

The 21st Century Power Partnership is a multilateral effort of the Clean Energy Ministerial and serves as a platform for public-private collaboration to advance integrated policy, regulatory, financial, and technical solutions for the large-scale deployment of renewable energy in combination with deep energy efficiency and smart grid solutions.

NEWS AND EVENTS

Mexico Programme of Work Accelerates with CIFF Funding

The work of the 21st Century Power Partnership (21CPP) in Mexico is accelerating with the recent enactment of secondary legislation in Mexico supporting energy reform, and with financial support from the Children's Investment Fund Foundation (CIFF). The Steering Group of the 21CPP programme in Mexico held its first in-person meeting in August. The Steering Group is chaired by Mexico's Ministry of Energy and includes representation from the Ministries of Finance and Economy, all Government of Mexico Energy organizations, and various renewable energy (RE) associations and research institutions. All of these organizations are current members of Mexico's Renewable Energy Consultative Council.

The programme will focus on three broad areas:

- Accelerating "next generation" power system planning for 2030
- Supporting evaluation and expansion of existing smart grid pilot projects
- Providing technical assistance in grid operational practices for RE integration.

South Africa Explores Distributed PV Programme Design

21CPP convened a video teleconference with Eskom stakeholders to discuss elements of distributed photovoltaic programme design and ratemaking. This included principles of distributed solar valuation, quantitative methodologies for valuation, potential utility rate and revenue impacts and mitigation strategies, and key early-stage programme design components.

India RE Roadmap Makes Progress, Receives Positive International Reviews

The Government of India, co-lead of 21CPP, commissioned a roadmap to streamline renewable energy policy. The resulting India Renewable Energy Roadmap, led by the

Confederation of Indian Industry, lays out concise guiding principles for RE policy across the country. During an international review in August 2014, various 21CPP network experts remarked on the high quality of the Roadmap and provided targeted feedback.

21CPP Thought Leadership Paper Ready for October Pre-release: *Power Systems of the Future*

A discussion draft of 21CPP's latest thought leadership paper, *Power Systems of the Future*, will be ready for distribution at the Global Green Growth Forum (3GF) in Copenhagen, 20-21 October. This report provides insights for decision makers on the trends and emerging models of future power systems and identifies strategic pathways for power system transformation. 21CPP encourages all members to provide comments and feedback on this discussion draft. Contact 21stCenturyPower@nrel.gov to receive an electronic copy.

Biennial Review Power System Transformation Moving Forward, on Target for CEM6 Release

A biennial status report on global progress toward power system transformation is underway, with contributions from 21CPP members and in coordination with other Clean Energy Ministerial (CEM) initiatives. The report will closely examine emerging best practices in regulation, business models, finance, and power system operations aligned with the transforming power sector. Contact 21stCenturyPower@nrel.gov for more information or to contribute to this publication.

Recent Events

"Clean, Reliable, Resilient: A Global Regulatory Roundtable on the Grid" – September 2014, IBM's Thomas J. Watson Research Center, New York

This event convened a high-level delegation of thought leaders from government and industry for a one-day roundtable discussion exploring the nexus of technology

innovation, clean energy, resilience, and electric sector regulation. The event included presentations, technology demonstrations, and interactive discussions on the regulatory issues and technology solutions that can enable the transformation of electric power grids. "Clean, Reliable, Resilient" was a collaborative project of 21CPP and the Global Smart Grid Federation, The Edison Foundation Institute for Electric Innovation, the GridWise Alliance, and IBM. 21CPP will distribute a read-out from the event to all members in the coming weeks.

"Variable Generation in Power Systems: A Short Course on the Integration and Interconnection of Variable Generation into Electric Power Systems" – June 2014

The Utility Variable-generation Integration Group held a four-day short course covering technical issues related to integrating variable generation into existing power systems. 21CPP hosted four delegates from Mexico as part of the Mexico Programme of Work. For more information about UVIG, visit variablegen.org.

Upcoming Events and Activities

Global Green Growth Forum (3GF) and 21CPP Side Meeting – October 2014, Copenhagen

The fourth Global Green Growth Forum convenes a select high-level group of 250-300 green growth leaders and decision makers. 21CPP is providing leadership for a session entitled "Power System Transformation." The session will strive to foster cooperation between existing public-private partnerships over the coming year. A side meeting for members of 21CPP will be held during 3GF. Details will be distributed when they have been finalized. For more information about 3GF, visit <http://3gf.dk/>.

CEM6 Preparatory Meeting – Date and location TBD

Mexico's Summit on Smart Grid Implementation – December 2014, Mexico City

Mexico's smart grid working group will host a 21CPP event to discuss prioritization and international best practices for the implementation of the smart grid framework for Mexico.

CEM6 – May 2015, Mexico City

CEM annually brings together energy ministers and other high-level delegates, as well as the private sector and other stakeholders, to discuss progress on CEM's overarching goal: accelerating the transition toward a global clean energy economy. 21CPP is planning to hold a side meeting at this event.

World Economic Forum Collaboration

21CPP is collaborating on a World Economic Forum (WEF) project on the Future of Electricity. The initial project focuses on developed countries and the needs for regulatory reform and new business models to assure the long-term sustainability of the electric utility sector. For more information about WEF, visit www.weforum.org/.

In-Country Workshop on Solar Integration, Mexico – January 2015, Mexico City

Mexico's Ministry of Energy (SENER) and the National Center for Energy Control (CENACE) will host a 21CPP solar energy integration workshop. This event will include technical presentations of distributed generation (DG) systems, applicable standards and codes, interconnection procedures and processes, integration of DG to the grid, and best practices applicable to Mexico.

Next Meetings of the Power Partnership Steering Group and Leadership Forum – Fall/Winter 2014

The PPSG and PPLF will meet in Copenhagen at a side meeting of the 3GF in October. There will also be a teleconference before the end of the year to discuss the programme of work for 2014–2015. Agendas and meeting details will be sent prior to the call.

REQUEST FOR INPUT

We ask all Power Partnership partners for suggestions on priority areas for Power Partnership research, peer-to-peer consultation, and events. Please share ideas with 21CPP staff.

INSTITUTIONAL PARTNERS AND COLLABORATORS

The National Renewable Energy Laboratory (NREL) and its affiliated Joint Institute for Strategic Energy Analysis (JISEA) together are the inaugural operating agent of the Power Partnership.

Clean Energy Ministerial, www.cleanenergyministerial.org

Regulatory Assistance Project, www.raonline.org

International Smart Grid Action Network, www.iea-isgan.org

Global Green Growth Institute, www.3gi.org

Clean Energy Solutions Center, www.cleanenergysolutions.org

Leonardo Energy www.leonardo-energy.org

Contact the 21st Century Power Partnership at 21stCenturyPower@NREL.gov