



21st Century
POWER PARTNERSHIP
*Accelerating the transformation
of power systems*

Public-Private Leadership Forum (PPLF)

The Public-Private Leadership Forum (PPLF) is a foundational component of the 21st Century Power Partnership. The PPLF

- Serves as a platform to develop public/private collaboration in the area of power system transformation
- Catalyses private sector engagement in transforming global power systems
- Marshals expertise and resources for world-class collaborative efforts.

The PPLF convenes stakeholders from across the power sector, spanning electricity supply, delivery, and end-use, and plays a key role in guiding the strategic direction of the Power Partnership. In addition, PPLF members support the implementation of activities set out in the Power Partnership Program of Work.

Taken together, the activities of the PPLF span the dynamic landscape of power system challenges and opportunities, with a focus on business models, financial tools, and regulatory frameworks.

The PPLF is a joint effort of the National Renewable Energy Laboratory (NREL) and its institutional affiliate, the Joint Institute for Strategic Energy Analysis (JISEA) in support of the 21st Century Power Partnership.

Context

The Private Sector Role in Promoting Power System Transformation

Private firms are vital drivers in power system transformation. Private firms play key roles as technology providers, system integrators and operators, investors, and thought leaders in expanding the use of clean energy resources to meet consumer energy needs.

Beyond the strategic value of private sector partnerships, analysis suggests that well-targeted investments in energy efficiency (EE), renewable energy (RE), and grid modernization confer dramatic economic benefits, both directly through cost savings and enhanced system operation, as well as indirectly through growth in energy access and human, institutional and systematic innovation capacity. For this reason, power system transformation carries significant value to the public. Strong partnerships between government and private sector actors enhance the strategic focus of reform efforts and strengthen the level of commitment to system transformation.

Why a Public/Private Partnership?

In many cases, power system transformation requires integrated policy and economic collaboration that spans jurisdictions, markets, currencies, cultures, and technological systems. Public/private collaboration will play a central role in enhancing the expertise,

technical acumen, and knowledge networks that will sustain these transformations. While each country and region faces unique challenges and opportunities, some common barriers to achieving large-scale deployment of sustainable, scalable, and systemic solutions incorporating EE, RE, and smart grid technologies have been identified. These include lack of standardization, split incentives, lack of regulatory expertise and political will, and limited availability of financing. Public/private collaboration can help achieve complex and large-scale transformation while maintaining system reliability and expanding energy access.

Vision

The PPLF initiative creates a strategic public/private forum for guiding the direction of the Power Partnership Program of Work, engaging in open and candid dialogue about policy and regulatory reform, and carrying out research, technical analysis, and knowledge exchange activities targeting key barriers to power system transformation. Together, this portfolio of strategic guidance and programmatic expertise serves as a base for supporting effective policy and regulatory decision making across CEM countries and beyond.

Organization

PPLF membership engages private firms and international investment organizations active in the power system in CEM countries. We welcome diverse industry representation across technologies, all aspects of the power and related energy systems, and legal, financial, and regulatory communities. The PPLF aims to balance representation across countries of all economic development classifications.

NREL and JISEA serve as liaison to the CEM Secretariat, translate PPLF efforts into the general Power Partnership Program of Work, and coordinate PPLF support with Power Partnership programmatic efforts. NREL/JISEA also inform the PPLF of opportunities to participate in Power Partnership events and to convene additional industry led events and activities.

Program of Work

The PPLF provides a multi-year series of discussions and activities focused on key power system issues such as best-practice public/private strategies for risk mitigation, financing, standards, multi-jurisdictional coordination, and encouraging public acceptance of novel technologies.

The 21st Century Power Partnership aims to accelerate the transition to clean, efficient, reliable and cost-effective power systems.

The Power Partnership is a multilateral effort of the Clean Energy Ministerial and serves as a platform for multilateral 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.