CLEAN ENERGY
MINISTERIAL
Advancing Clean Energy Together

DISTRIBUTED GENERATION
IN STRATEGIC REGIONS
A CAMPAIGN OF THE CLEAN ENERGY MINISTERIAL

Accelerating the Adoption of Distributed Generation in Strategic Regions
Campaign associated with the 21st Century Power Partnership

Goals

The campaign aims at assisting developing nations in accelerating the deployment of clean distributed generation technologies based on sound economic and public policies, appropriate regulation and advanced technical solutions.

DG Campaign started in Latin America, where Mexico, The Latin America Energy Organisation (OLADE), Brazil, Chile and other country partners have clearly defined motivation for success. It is envisaged that the DG Campaign could branch out to other regions including Southern Africa, South Asia, Southeastern Asia, and potentially other areas.

Rationale for being included in the CEM

Clean distributed generation (DG) represents an important opportunity for countries to meet their clean energy goals, reduce energy losses and increase electrification. Sustainable deployment requires specific actions in planning, policy making, regulation, and management of the electrical grid.

The rapid growth happening now is only expected to increase at an even faster rate. To sustain this growth, policy makers and regulators must understand the costs and benefits and the technical challenges from these technologies and work together with utilities, business operators and financial institutions.

Activities and deliverables

Peer-to-peer exchange

- **Distributed Generation Study Tour:** 14 representatives from 11 countries traveled to the U.S. and visited technical experts, policy makers and regulators in the states of Colorado, California and Arizona. During this time, representatives discussed successful applications of policy, regulation, business models, and technical analysis. Attendants also explored state-of-the-art research for advancing DG deployment and visited pilot facilities for smart cities and energy storage.
- **A network of experts on DG issues in Latin America** and the USA has been created and as a result of the Distributed Generation Study Tour, some participant countries have enacted new regulation based on information learned.

- **CEM days in Brazil**: DG Campaign contributed to the Grid Integration of Variable Renewables workshop organised by the Brazilian Energy Research Office (EPE).
- **VII OLADE Energy Week in Uruguay:** The needs assessment and various distributed generation campaign topics were presented with examples applicable to other countries in the LAC region.
- **DG Campaign member policy workshop** during the CEM10 Senior-Official Preparatory meeting in Chile. Various DG topics were presented and representatives from the countries of Argentina and Chile presented specific examples where the DG Campaign has assisted for writing new regulation.

Analytical reports and thought leadership products

- **Needs Assessment:** With the leadership of Mexico, and the collaboration of the Latin America Energy Association (OLADE). A questionnaire was prepared and sent to energy ministries of 26 Latin American countries to assess the needs, barriers, and opportunities for increasing deployment of distributed generation, in a sustainable manner in the region. The results of the assessment with conclusions, priorities and recommendations was finalised and delivered to the 26-member countries of OLADE and it is available in the 21CPP website.
- **Thought leadership report:** In collaboration with the Danish Energy program in Mexico, one report will be produced.
- **Final report**: For CEM10 the campaign will present a final report with lessons learned and recommendations.

Knowledge sharing

- 2 **webinars** (one on a technical topic and one on a policy topic) were presented in the first quarter of 2019 in cooperation with the *CEM Clean Energy Solutions Center*.

Energy supply and systems integration

Lead CEM Member(s)

Mexico*

CEM Member Participant(s)

Brazil · Chile · Denmark · Germany· India

Operating Agent(s)/ Coordinator(s)

U.S. National Renewable Energy Laboratory (NREL)

Global and In-Country Partner(s)
Latin America Energy Association (OLADE).

*Participation and leadership are under review.