

Clean Energy Solutions Center Technical Assistance Support

**Renewable Energy Study Tour
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U.S. National Renewable Energy Laboratory

Solutions Center Background & Vision

CleanEnergySolutions.org

The Clean Energy Ministerial (CEM) launched the Clean Energy Solutions Center in 2011.

The Solutions Center:

- Is one of several CEM Initiatives, which include:
 - ✧ International Smart Grid Action Network
 - ✧ 21st Century Power Partnership
 - ✧ Global Lighting and Energy Access Partnership
- Helps governments design and adopt policies and programs that support the deployment of clean energy technologies
- Has more than 35 partners, including IRENA, IEA, IPEEC, Sustainable Energy for All, Bloomberg New Energy Finance and Leonardo Energy
- Is co-chaired by the U.S. Department of Energy and the Australian Department of Industry, Innovation & Science



Solutions Center Goals & Audience

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Goals

- **Serve** as a principal clearinghouse of clean energy policy and program resources
- **Share** clean energy policy best practices, data, and analysis tools across countries
- **Deliver** dynamic, customized services that enable expert assistance, learning, and peer-to-peer sharing of experiences
- **Foster** dialogue on emerging policy issues and innovation across the globe
- **Serve** as a primary resource for project financing options and information to expand markets for clean energy

Target Audiences

- Primary** Government Policy Makers and Advisors
- Secondary** Private-Sector Companies
Energy Entrepreneurs and Investors
Non-Governmental Organizations
Civil Society
Others Engaged in Clean Energy

Types of Assistance Offered

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- **Webinars and online training**

- **Ask-an-Expert**

No-cost, on-demand expert policy assistance tailored to country needs

- **Clean energy policy resources**

Curated library of resources including policy briefs, analysis, data and tools

- **Finance solutions**

Guidance on financing options for clean energy project development

- **Customized assistance and training**

CEESC – Training Webinars examples

- ***Financial Analysis with RETScreen*** (April 27, 2016)
- ***Policy Analysis with RETScreen*** (February 9, 2016)
- ***Renewable Energy Transition: The Future of Renewable Energy Policy*** (March 30, 2016)
- ***Greening the Grid: Implementing Renewable Energy Zones for Integrated Transmission and Generation Planning:*** (December 1, 2015)
- ***Clean Energy in Island Settings*** (March 11, 2015)
- ***ASEAN Renewable Energy Guidelines*** (December 4, 2014)
- ***REN21 Renewables 2014 Global Status Report: Asia and the Pacific*** (September 15, 2012)
- ***Designing Successful Renewable Energy Targets in Africa: Key Principles and Insights*** (April 12, 2016)

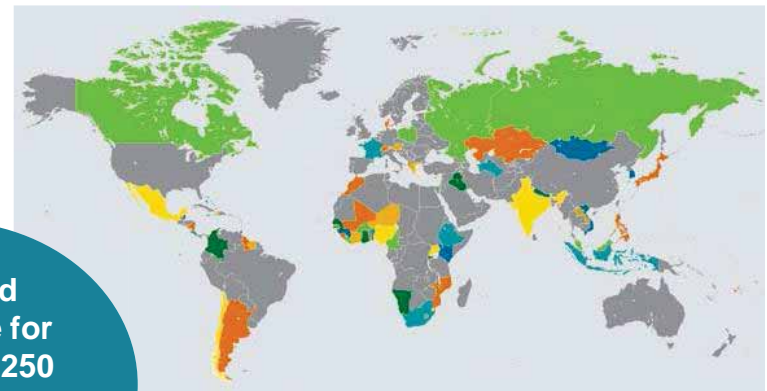
Ask-an-Expert : Solutions to Policy Barriers



We connect you to a global network of energy experts for personalized attention and quick response technical assistance on **strategies, regulations, standards, financial incentives, and deployment programs** for a broad range of clean energy sectors and technologies including:

- Energy Access
- Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities

Delivered assistance for more than 250 requests from over 90 countries.



To request assistance, register at cleanenergysolutions.org/expert

Ask-an-Expert : Policy Support Levels

Solutions Center experts can provide various levels of support depending on the complexity of the request:

1. Short turn-around requests : 1 - 20 hours
2. Higher-level support : 20 - 40 hours
3. In-depth support : 40 - 120 hours
 - ✧ Potential opportunity to provide on-site support in country locations, especially when others support travel
 - ✧ On-site workshops where large number of policymakers are convened, including side events at conferences and events

Ask-an-Expert Process

1. Government representatives submit requests by:
 - ✧ Utilizing the Ask-an-Expert form provided on CESC website at <https://cleanenergysolutions.org/>
 - ✧ Requests can be submitted directly to a Solutions Center policy expert
 - ✧ Requests can be submitted during events attended by Solutions Center presenters
2. Requests are reviewed and an initial response is provided within 2 business days
3. Scoping call between NREL's Ask-an-Expert lead and the requester is conducted to assess details and scope of policy/program needs
4. Matchmaking – NREL's Ask-an-Expert lead identifies the appropriate expert to provide support; matching expertise to policy needs
 - ✧ Ask-an-Expert lead facilitates introductions and communications between expert & requester



Ask-an-Expert Process

5. Expert works directly with requester and other stakeholders to assure needs are met and results are delivered
6. NREL's Ask-an-Expert project lead monitors progress throughout the assistance process to assure quality service is delivered
7. Details of expert support outcomes and findings are provided in report and/or presentation format
8. Once completed, requestor completes a feedback survey on how the assistance will be utilized and provides quotes on value
9. NREL's Ask-an-Expert lead and/or expert follows up with requestor in ~6 months to assess progress and outcomes
10. More than one request from a country, region, or locality is permitted

Examples: Ask an Expert

- Provided training, in partnership with IRENA, focused on setting renewable energy targets for small island developing states including **Fiji, Vanuatu, Kiribati, Samoa, and the Marshall Islands.**
- **APEC Energy Working Group:** e-learning course addressing several issues across the renewable energy sector in the Asia-Pacific region (www.leonardo-academy.org/totara/program/index.php?viewtype=program&categoryid=42)
- **Vietnam:** Reviewed renewable energy regulatory/policy frameworks and offered recommendations for policy reforms and finance mechanisms in support of NDC action plan.
- **Mauritius and Seychelles:** Provided support to develop solar hot water programs/schemes for residential use
- **West Africa:** assisted 15 countries with design and development of:
 - National renewable energy and energy efficiency action plans, and
 - The Gender Mainstreaming in Energy Access policy

Examples: Ask-an-Expert

- Caribbean Community (CARICOM): assisted with regional sustainable energy design – setting renewable energy targets and net-billing components (ratified March 2013)
- Supported FiT adoption in **Malaysia** by facilitating partnership between the Malaysian Sustainable Energy Development Authority (SEDA) and the Clean Energy Regulators Initiative (CERI)..
- Assisted with development of roadmaps focused on energy efficiency policies and measures at the **Asian Regional Workshop** in Singapore.
 - ✧ Delivered in collaboration with the Asian Development Bank (ADB) and the International partnership for Energy Efficiency and Cooperation (IPEEC).
- Assisted Antigua/Barbuda with development of a Sustainable Resource Development Framework (SIRF) fund designed to attract investments in renewable energy. Revenues will be reinvested into environmental management in the two countries.
 - Delivered in collaboration with the Organization of American States (OAS)

Thank You!

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<https://cleanenergysolutions.org>