



Resilient and Clean Energy Systems Community of Practice (CoP) Factsheet

What is the Resilient and Clean Energy Systems Community of Practice?

The Resilient and Clean Energy Systems (Energy) Community of Practice (CoP) emphasizes the implementation of UN Sustainable Development Goal 7 and the broader [Agenda 2030 for Sustainable Development](#) in islands in locally and culturally informed ways. This CoP focuses on expanding capacity for planning for and implementing projects to support efficient, renewable energy objectives that closely aligns with efforts to enhance systems resilience and the global goal of achieving a just and more inclusive clean energy transition.

A Community of Practice is an interactive and member-driven network of people that comes together to learn and support individual and group goals. This CoP brings together island stakeholders and technical experts with an interest in advancing climate resilient energy solutions for their islands while also supporting broader island-wide development and major economic initiatives. Activities, including virtual webinars, technical workshops, in-person convenings, and the shared online knowledge management and collaboration platform will support stakeholders, advance strategy, policy, financing, and technical solutions in their work. Such collaboration can help highlight “bright spots” and enable constructive discussion of challenges that will help to scale-up island innovations and sustainability solutions at appropriate local, state, regional, and global levels.

Communities of practice foster:

- Peer learning and exchange: opportunities to attend virtual and in-person training events and participate in an information exchange platform to share best practices and information.
- Collaboration with energy and resilience experts: support from experts from organizations such as the U.S. National Renewable Energy Laboratory (NREL) and the U.S. National Oceanic and Atmospheric Administration (NOAA) as well as regional and international partners.
- Technical and advisory support and resources: access to ad-hoc technical or advisory support to help develop and/or implement initiatives, promoting use of tools and leading practices through case studies and sharing of good practices, lessons learned, and areas for collaboration related resources to support community of practice members in advancing resilient, innovative, and equitable clean energy systems.

Who is the Resilient and Clean Energy Systems Community of Practice for?

The Energy CoP provides opportunities for peer learning, training, technical assistance for island energy sector policymakers, planners, emergency managers, utility service providers, market participants, academia, and other civil society participants with expertise in or proximity to energy-related sectors. *This CoP is open to any of the above-mentioned individuals/professionals; it is not restricted to the Local2030 Islands Network island members and their representatives.*

How to join?

To sign up for the Energy CoP or nominate others, please fill out the [Membership Form](#).

What are the benefits from joining the Resilient and Clean Energy Systems Community of Practice?

The Energy CoP provides advisory support and promotes peer-to-peer learning across practitioners working on, developing, and implementing strategic energy plans to scale up clean energy and address specific challenges related to power generation, transmission and distribution (T&D) system infrastructure, grid-integration, energy efficiency and equity, climate resilience, economic development, and more.

Topics to be addressed in this CoP will continue to be based on member needs. Examples include:

- Evaluating energy systems vulnerabilities for an island economy or group of islands with a focus on the energy / water nexus;
- Integrated Resource and Resilience Plan (IRRP) development and implementation;
- Evaluating impacts of different energy generation and storage scenarios;
- Training and technical assistance on various topics, such as: demand modeling, diversification of generation, improving system utilization and reliability, and identifying least-cost scenarios;
- Resilient energy strategic planning and development policy and practice; and
- Innovative financing mechanisms to support implementation of just and resilient energy projects.

Members of the community of practice will have opportunities to improve and share their knowledge and capacity to design and/or implement energy resilience measures through peer exchange and access to partnerships, resources, and tools through virtual dialogue, workshops, networking, hands-on training, collaboration spaces, and a virtual platform for engagement, all free of charge. In-person opportunities to convene may also be identified.

Participants' roles:

- Actively engage in the discussions and share experiences with resilient energy development;
- Recruit colleagues to participate to learn and share information;
- Share the learning and materials from this CoP with their peers and discuss how they are applying the learning from participation in this group to advance policies, plans, and projects;
- Support the achievement of affordable, reliable, sustainable, and modern energy for all in alignment with the goals and targets of the United Nations 2030 Sustainable Development Goals (SDGs) and the priorities of their own jurisdictions; and
- Commit to measuring their progress towards SDG 7 and sharing this with the Network.

The Local2030 Islands Network

The Local2030 Islands Network, with the support of technical partner the US National Renewable Energy Laboratory (NREL) launched the Resilient and Clean Energy Systems Community of Practice in 2022 to further facilitate islands learning from one another. The Local2030 Islands Network is a global island-led network dedicated to advancing the United Nations' SDGs and targets through locally driven, culturally informed solutions. The Network brings together island nations, states, communities, and cultures, all tied together by their shared island experiences, cultures, strengths, and challenges.

